

Low-Cost Silicon Solar Array Project (LSSA)
Subcontractor Document Collection, 1969-1987
31.8 cubic feet
JPL 77

History

The Low-Cost Silicon Solar Array Program (LSSA), which was later called the Low-Cost Solar Array (LSA) Project), and finally called the Flat-Plate Solar Array (FSA) Project, was managed by the Jet Propulsion Laboratory (JPL). LSSA was one part of the National Photovoltaics (PV) Program that supported photovoltaic technology research. LSSA was developed, sponsored, and sustained by the National Science Foundation (NSF), the U.S. Department of Energy (DOE) and its predecessor, the Energy Research and Development Administration (ERDA) as a means of developing alternative sources of energy. Alternative energy sources had risen to a level of national interest as a result of the energy crisis and oil embargoes of the early-1970's.

Concepts for United States energy independence through alternative sources of energy had been explored at the 1973 Conference on Photovoltaic Conversion of Solar Energy for Terrestrial Applications, at Cherry Hill, New Jersey, sponsored by the National Science Foundation. The conference's recommendations and conclusions were used in developing the National Photovoltaics Program. A result of the United States Federal Government's willing interest in PV technology and the Cherry Hill Conference was the LSSA Project, which was one effort to explore alternate sources of energy, in order to make the United States energy independent.

LSSA lasted eleven (11) years, from 1975 to 1986. The LSSA Project was funded to a level of almost \$235 million (\$148 million adjusted to 1974 dollars), and involved 256 research and development (R&D) contracts at 103 United States companies and educational institutions.

The LSSA Project was based on the same crystalline silicon technology that had been developed for the United States Space Program. The costs of this technology were still high in 1975, and the government hoped to reduce the manufacturing costs of solar cells through its LSSA R&D program.

DOE's predecessor, ERDA had asked the Jet Propulsion Laboratory, to implement the LSSA Project. The government hoped that through the LSSA Project it could help develop an infrastructure that would allow an infant industry to survive, ultimately reducing the cost of PV power generation to the point where it would be competitive with conventional fossil-fuel-based power generation. A strategy was developed to involve as many members of the fledgling PV industry as possible to give it both momentum and credibility.

The National Photovoltaics Program was organized into three sub-program areas in 1975: 1) Systems and Applications, 2) Test and Evaluation, and 3) Research and Technology. The Research and Technology program was further divided into two elements: 1) advanced technology, and 2) low-cost single-crystal silicon. JPL assumed responsibility for the low-cost single-crystal silicon element.

The LSSA Program had five goals, which were:

- (1) Develop a process for obtaining solar-cell quality, silicon material suitable for making single-crystal silicon at a price of less than \$35 a kilogram (changed in 1976 to \$10/kilogram);
- (2) Develop and demonstrate automated processes for producing single-crystal silicon sheets;
- (3) Develop and demonstrate automated processes for the complete fabrication of solar cells into array systems at a production rate of more than 500 Megawatts per year at a price of less than \$0.50 per Watt (in 1975 dollars);
- (4) Develop encapsulation materials and techniques for arrays with a design operating lifetime greater than 20 years;
- (5) Develop a capability and produce single-crystal silicon cells for tests of 200-, 400-, and 600-kilowatt systems. Price goals for successive 200-kilowatt increments of production were \$5.00, \$2.00, and \$1.00/Watt (in 1975 dollars).

The LSSA Project's goals were revised in 1977 to reflect changing capacities and deadlines. As a result, the project name was changed in 1978 to Low-Cost Solar Array (LSA) Project in order to indicate that photovoltaic materials other than silicon were to be included within the scope of the Project's responsibilities. Over the eleven-year course of the Project, major changes in national policy within the DOE, shifting government objectives, and changes in the prices and availability of energy sources required constant adjustments to the Project and its goals. That is why, in 1981, the Project name again was changed, this time to the Flat-Plate Solar Array (FSA) Project. Commercial and technical readiness, originally planned for 1982 was rescheduled to 1986.

The JPL approach to the project was similar in organization to JPL flight projects, and the original organization of the LSSA Project followed the technical partitioning of the work effort around the five goals. Responsible JPL individuals included Dr. Marshall E. Alper, Dr. Ralph Lutwack, and John Goldsmith. The technical organization areas, each with a manager, were:

- (1) Silicon materials refinement;
- (2) Single-crystal silicon sheet formation;
- (3) Automated Photovoltaic array assembly;
- (4) Module encapsulation;
- (5) Large-scale production

To achieve these goals, Research and Development was organized into seven Task Areas, those being: 1) Silicon Material Task; 2) Silicon Sheet Task; 3) High-Efficiency Solar Cells Task; 4) Process Development; 5) Reliability Engineering Task; 6) Module Encapsulation Task; and 7) Project Analysis and Integration.

Work on the project was performed by a number of subcontractors for Jet Propulsion Laboratory under JPL contracts, approved by agreement between NASA and the Department of Energy.

The object of the JPL LSSA Project was to develop a simple, foolproof, all-vacuum solar cell automated manufacturing process that produced "medium efficiency" cells, which would be inherently environmentally resistant. All components of the cells were integrated into a single monolithic structure with no material interfaces. The cells were intended to be incorporated into an hermetically sealed, simple module consisting basically of a press-formed metallic superstructure with a separated glass cover for protection to reduce the effects of atmospheric humidity.

The LSSA Project process sequence had been segmented for convenience by JPL into five major work areas or "Tasks": 1) Reduction and purification of the semiconductor material ; 2) Sheet or film generation; 3) Device generation; 4) Module assembly and encapsulation; and 5) System completion, including installation of the array and the other subsystems.

The LSSA Project's major accomplishments were:

- 1) establishing basic technologies for all aspects of the manufacture of non-concentrating, crystalline-silicon photovoltaic modules and arrays for terrestrial use;
- 2) crystalline silicon, research solar cells have been fabricated with more than 20 percent efficiency;
- 3) the cost per peak watt of PV power generation originally set for \$0.50/Wp (1975 dollars) was very nearly met;
- 4) calculated that a multimewatt PV power plant using large-volume production modules that incorporate the latest crystalline silicon technology could produce power for \$0.27 kilowatts per hour in 1985 dollars;
- 5) transferred technologies to the private sector by interactive activities in research, development, and field demonstrations;
- 6) stimulated the establishment of a viable commercial PV industry in the United States.

Several large photovoltaic installations resulted from the Project. ARCO Solar has installed central-station PV power plants in California, one at the Lugo Substation near Hesperia, and another in Carissa Plains. Each plant has operated successfully, providing electricity to Southern California Edison Company and the Pacific Gas and Electric Company, respectively. Union Carbide also built a large-scale plant.

Although the PV technologies developed by the LSSA Project have been considered successful, their application commercially has not been as extensive as imagined. The lack of utilization is not because of technological reasons, but because prices, availability, and other factors related to the fossil fuel market have changed. Since the program was implemented in 1975, fossil fuel energy prices have fallen substantially and supplies have been abundant, reducing the economic competitiveness of photovoltaic energy. There is no guarantee that this will continue to be the case, or that government policies will not change.

This collection contains most of the subcontractor documentation from approximately ninety of the one hundred-three subcontractor institutions and companies in the form of contracts, correspondence, final reports, monthly reports, financial status reports, and quarterly reports.

The Flat Plate Solar Array (FSA) Project was phased out at the end of September 1986.

Provenance

JPL 77 is an integration of nineteen unprocessed collections and eight previously processed collections. Of the eight previously processed collections, seven were totally integrated into JPL 77. Those seven were JPL 18 (1.9 c.f.), JPL 39 (0.9 c.f.), Accession 90-123 (5.5 c.f.), Accession 90-137 (2.1 c.f.), Accession 90-140 (2.7 c.f.), Accession 90-142 (0.7 c.f.), and Accession 90-144 (0.7 c.f.). Accessions 90-123, 90-137, 90-140, 90-142, and 90-144 had never received JPL collection number assignments. All of these collections contained LSSA subcontractor documents.

The eighth previously processed collection, JPL 17 (1.2 c.f.), was separated in half. One half of JPL 17, consisting of subcontractor documents, was integrated into JPL 77. The other half of JPL 17, consisting of program proposals and Congressional Hearing documents, were left at JPL 17 as the entirety of that collection.

The unprocessed collections that were integrated into JPL 77 were: 90-87 (1.0 c.f.); 90-89 (1.0 c.f.); 90-90 (2.0 c.f.); 90-91 (1.0 c.f.); 90-92 (1.0 c.f.); 90-93 (1.0 c.f.); 90-94 (1.0 c.f.); 90-95 (1.0 c.f.); 90-96 (1.0 c.f.); 90-97 (2.0 c.f.); 90-98 (1.0 c.f.); 90-99 (1.0 c.f.); 90-100 (1.0 c.f.); 90-102 (1.0 c.f.); 90-103 (1.0 c.f.); 90-104 (1.0 c.f.); 90-105 (1.0 c.f.); 90-106 (1.0 c.f.); 90-124 (3.0 c.f.).

Accession 90-87 was 1.0 cubic foot of notes of Lloyd Sanchez, along with engineering specifications on General Electric contract 954607. It was sent to the Laboratory Records Center by William Callaghan of Section 879, the Solar Energy Program, as Shipment L-5158 on July 23, 1979 and transferred to the Laboratory Archives on July 31, 1990.

Accession 90-89 was 1.0 cubic foot of IBM Contract 954144 documents, General Electric Contract 954607 documents, and Gnostic Concepts Contract 954899 documents. The records were sent to the Laboratory Records Center by William Callaghan, Section 879, the Solar Energy Program, on July 21, 1980 as Shipment F-5804/80-407 and transferred to the Laboratory Archives on July 31, 1990.

Accession 90-90 included 2.0 cubic feet of LSSA documentation for the ARCO Solar, Inc. Contract 955325, Bechtel Corporation Contract 954698, Dow-Corning Contract 954559, and Coors Porcelain Company Contract 954878. The records were sent to the Laboratory Records Center on May 3, 1982 by William Callaghan of Section 879, Solar Energy Program, as shipment number F-6717/82-0233. They were transferred from the LRC to the Laboratory Archives on July 31, 1990.

Accession 90-91 consisted of 1.0 cubic foot of LSSA documentation for the RCA Contracts numbers 954465, 954901, and 954817. Sent to the Laboratory Records Center on April 20, 1981 as Shipment F-6174/81-330 by William Callaghan, it was transferred from the LRC to the Laboratory Archives on July 31, 1990.

Accession 90-92 consisted of 1.0 cubic foot of documents for the Varian Associates Contract number 954885 and the Spectrolab, Inc. Contract number 954853. It was sent to the Laboratory Records Center by William Callaghan of Section 879, Solar Energy Program, as Shipment F-6887/82-0331 on August 16, 1982, and was transferred to the Laboratory Archives on July 31, 1990.

Accession 90-93 was 1.0 cubic foot of Spire Corporation Contract 955405 documents and Texas Instruments, Inc. Contract 954412 LSSA documents, sent to the Laboratory Records Center on August 27,

1981 as Shipment F-6347/81-464 by William Callaghan of Section 879, Solar Energy Program. The Laboratory Archives accessioned the records on July 31, 1990.

Accession 90-94 was 1.0 cubic foot of LSSA contract-related records sent to the Laboratory Records Center on June 9, 1981 as Shipment F-6232/81-371 by William Callaghan of Section 879, Solar Energy Program. The records were transferred to the Laboratory Archives on July 31, 1990. The records represented Solarex Corp. Contracts 681928, 672596, 649006, Solar Power Corp. Contract 672594, and Sensor Technology, Inc. Contract 955266 concerning silicon sheet development.

Accession 90-95 was 1.0 cubic foot of LSSA contract-related records sent to the Laboratory Records Center on December 1, 1981 as Shipment F-6473/82-0061 by William Callaghan of Section 879, Solar Energy Program. The records were transferred to the Laboratory Archives on July 31, 1990. The contractual documents cover projects with Optical Coating Laboratory (955244), Bernd Ross Associates (955164), Aero-Chem Research Laboratories (954777 & 954862), and Aerospace Corporation (955201), principally in regard to the development of efficient silicon-metal contacts.

Accession 90-96 was 1.0 cubic foot of LSSA contract-related records sent to the Laboratory Records Center on March 11, 1982 as Shipment F-6625/82-0154 by William Callaghan of Section 879, Solar Energy Program. The records were transferred to the Laboratory Archives on July 31, 1990. The contractual documents included concerned Contract 954868 with RCA Laboratories and Contract 954865 with Sensor Technology, Inc.

Accession 90-97 was 2.0 cubic feet of LSSA contract-related records sent to the Laboratory Records Center as Shipment F-7259/83-0205 on May 24, 1983 by William Callaghan of Section 879, Solar Energy Program. The documents describe silicon development at Lamar University under Contract 954373 and with Crystal Systems, Inc., under Contract 954373. The Laboratory Archives accessioned the documents on July 31, 1990.

Accession 90-98 comprised 1.0 cubic foot of LSSA contract-related records sent to the Laboratory Records Center as Shipment F-6210/81-358 on May 20, 1981 by William Callaghan of Section 879, Solar Energy Program. The records were transferred to the Laboratory Archives on July 31, 1990. The documents contained information on Contract 954458 with Rockwell International, and Contracts 954387, 954565, and 954605 with Sensor Technology, Inc.

Accession 90-99 consisted of 1.0 cubic foot of LSSA contract-related records sent to the Laboratory Records Center as Shipment F-6017/81-085 on December 2, 1980 by William Callaghan, Section 879, Solar Energy Program. The records include documents related to Contracts 954410, 954653 and 954898 with Lockheed, Contract 672583 with Materials Research, Inc., Contract 954388 with M7, Inc., Contract 954999 with Mobil Tyco Solar Energy Corp., and Contract 954338 with Monsanto Research Corp. for testing protective coatings and application processes to the solar cells. The records were transferred to the Laboratory Archives on July 31, 1990.

Accession 90-100 was 1.0 cubic foot of LSSA contract-related records sent to the Laboratory Records Center as Shipment F-6146/81-305 on April 1, 1981 by William Callaghan, Section 879, Solar Energy Program. The documents contain information on protective coatings development with RCA (954352), Motorola (672592), National Bureau of Standards (W08604), Optical Coating Laboratory (954831, 954197), and Northrop Corp. (954614). The records were transferred to the Laboratory Archives on July 31, 1990.

Accession 90-102 was 1.0 cubic foot of LSSA contract-related records sent to the Laboratory Records Center as Shipment F-6495/82-0072 on December 9, 1981 by William Callaghan, Section 879 Solar Energy Program. The documents contain information on protective coatings development Contract 955217 with Optical Coating Laboratory, Inc. and Applied Solar Energy Corp. (Applied Solar Energy Corp. later merged with Optical Coating Laboratory), Contract 954876 with Battelle Memorial Institute, and Contract 955149 with Burt Hill Kosar Rittelmann Associates. The Laboratory Archives accessioned the documents on July 31, 1990.

Accession 90-103 was 1.0 cubic foot of LSSA contract-related records sent to the Laboratory Records Center as Shipment F-6409/82-0022 on October 15, 1981 by William Callaghan, Section 879, Solar Energy Program. The documents contain information about Varian Associates Contract 954374 on the

development of silicon into sheets and slicing of those sheets. The records were transferred to the Laboratory Archives on July 31, 1990.

Accession 90-104 was 1.0 cubic foot of LSSA contract-related records sent to the Laboratory Records Center as Shipment F-6567/82-0112 on January 28, 1982 by William Callaghan, Section 879, Solar Energy Program. The documents contain information about Battelle Columbus Laboratories Contract 954328 on the Solar Array Module Encapsulation Task of photovoltaic solar arrays for terrestrial applications. The records were transferred to the Laboratory Archives on July 31, 1990.

Accession 90-105 was 1.0 cubic foot of LSSA contract-related records sent to the Laboratory Records Center as Shipment F-6797/82-0279 on June 17, 1982 by William Callaghan, Section 879, Solar Energy Program. The documents contain information about Kayex Corporation's Contract 954888 on the continuous Czochralski growth in silicon sheet development, and Eagle-Picher Industries, Inc. Contract 954877 in regard to the development of improved silicon coatings for solar arrays. The records were transferred to the Laboratory Archives on July 31, 1990.

Accession 90-106 was 1.0 cubic foot of LSSA contract-related records sent to the Laboratory Records Center as Shipment F-6346/81-463 on August 26, 1981 by William Callaghan, Section 879, Solar Energy Program. The documents contain information about Texas Instruments contracts 954881, 954475, 954887, and 955006 in regard to silicon wafering and coatings, and Theodore Barry & Associates Contracts 954800 and 954909 about the creation of costing standards for photovoltaic solar energy collector development, along with development of a cost reduction element using Solar Array Manufacturing Industry Costing Standards (SAMICS).

Accession 90-123 was 5.5 cubic feet of LSSA contract-related records sent to the Laboratory Records Center as Shipment F-7595/C-3 on February 7, 1984 by D. Tustin of Section 720, Civil Programs Office. The records were for contracts with Kinetic Coatings (Contract 955079), Kulicke & Soffa (Contract 955287), Lockheed Missiles & Space Co. (Contract 955696), Materials Research, Inc. (Contract 954977), Massachusetts Institute of Technology (Contract 955382), MB Associates (Contracts 954882, 955281), Meridian Corp. (Contract 955820), Motorola, Inc. (Contracts 954442, 954716, 954847, 955324, 955328, 955339, 955367, 955406, 955844), RCA Corporation (Contracts 955825, 955342), Siltec Corporation (Contract 955282), Solar Power Corp. (Contract 955403), Solarex Corp. (Contracts 955307, 955404), Sol/Los, Inc. (Contract 955318), Spectrolab (Contracts 955055, 955725), University of Arizona (Contract 953461), and University of Delaware (Contract 952666). The records were transferred to the Laboratory Archives on August 8, 1990.

Accession 90-124 was 3.0 cubic feet of LSSA contract related records sent to the Laboratory Records Center as shipment E-7583/C-3 on January 30, 1984 by D. Tustin, Section 720, Civil Programs Office. The documents contain information on the development of a low-cost silicon-on-ceramic sheet growth and device development for the large-area silicon sheet task of the Low-Cost Solar Array Project, through contracts with Aero-Chem Research Laboratories (Contract 955491), ARCO Solar, Inc. (955402 & 955278), Boeing Engineering (954833), Energy Materials Corp (955269), Battelle Columbus Laboratories (954339), C.A.C.I., Inc. (955449), Burt Hill Kosar Rittelman Associates (955614), Kayex Corp. (955270), General Electric (955401), Heliotek (952560), and Honeywell Technology Center (954356).

Accession 90-137 was composed originally of 2.1 cubic feet of material, originating with Dave Tustin of Section 720, the Civil Programs Office in Building 502. These records were received by the Laboratory Records Center on March 13, 1984 as Shipment No. F-7645/84-0137 and transferred to the Laboratory Archives on August 21, 1990.

Accession 90-140 consisted of 2.7 cubic feet of records sent to the Laboratory Records Center on March 8, 1984 by Dave Tustin of Section 720, the Civil Programs Office in Building 502. One cubic foot, the entire contents of Box 4, was permanently withdrawn on December 2, 1985, as were the records of Science Applications, Inc., Contract No. 955787, from Box 3. The remaining three cubic feet were transferred to the Laboratory Archives on August 21, 1990.

Accession 90-142 was 0.7 cubic foot of contract records sent on March 6, 1984 to the Laboratory Records Center by Dave Tustin of Section 720, Civil Programs Office. The Laboratory Archives accessioned it on August 21, 1990.

Accession 90-144 was 0.7 cubic foot of contract-related records sent to the Laboratory Records Center by D. Tustin of Section 720, Civil Programs Office. The records included materials for Solarex Corp. (Contract 954854), Silicon Technology Corp. (Contract 955131), Sensor Technology, Inc. (Contract 955265), and Case Western Reserve University (Contract 954738). The records were transferred to the Laboratory Archives on August 21, 1990.

Three related LSSA accessions were examined, but not integrated into JPL 77. These were accession 90-101, which is 3.0 cubic feet of Photovoltaic Program files of significant events, etc., related to LSSA, but contains no contract documents. Accessions 90-86 and 92-70 are LSSA correspondence, some cost analysis data, computer printouts, and G. Forney's chronological files. There is a very small number of subcontractor documents in Accession 92-70, but they are all duplicates of documents included in JPL 77. These three accessions should be processed as separate collections.

Collection Arrangement and Description

This collection consists of contract-related documents for the numerous subcontracting companies and educational institutions that were associated with the Low-Cost Silicon Solar Array Project. All of the documents are grouped in alphabetical order by the name of the subcontracting company.

Within each contractor grouping, documents are arranged chronologically in series. The series that are common to practically every company/institution grouping are correspondence, baseline cost estimates, monthly financial reports, monthly technical progress reports, interoffice memoranda, conference reports, quarterly progress reports, and final reports.

In all instances where possible, the full title of the subcontractor's project program is expressed at least once, usually in the file folder statement for its Final Report. If no Final Report was among the documents, that statement is expressed with an alternate appropriate document series, such as the Monthly Technical Progress Reports.

Conservation/Preservation

Standard preparations were made for long term storage of documents.

Restrictions

Almost every document in the collection is stamped "For JPL Use Only." There are a total of seven documents stamped "JPL DISCREET." These are located in File Folder Numbers 71, 72, 576, 675, 1124, and 1201 (2). JPL DISCREET documents are accessible only by JPL employees and contractors.

Separation Statement

No elements of the collection were separated.

Finding Aids

Register available in the repository. List of Subcontractor/Contract Number/File Folder Numbers in relation to Project Goals appended to Register.

File Folder List

BOX 1

Fld 1 AeroChem Research Laboratories, Contract 954560, Correspondence, Outgoing from
AeroChem Research Laboratories, November 1976-February 1978

- Fld 2 AeroChem Research Laboratories, Contract 954560, Correspondence,
Incoming to AeroChem Research Laboratories July 1977-March 1979
- Fld 3 AeroChem Research Laboratories, Contract 954560, Quarterly Technical
Progress Reports, October 1976-July 1978
- Fld 4 AeroChem Research Laboratories, Contract 954560, Month/Year Technical Progress Reports,
September 1976-August 1978
- Fld 5 AeroChem Research Laboratories, Contract 954560, Month/Year
Financial, August 1976-February 1979
- Fld 6 AeroChem Research Laboratories, Contract 954560, Baseline Financial
Report, August 1976-October 1977
- Fld 7 AeroChem Research Laboratories, Contract 954560, Synthesis of Silane
and Silicon in a Non-Equilibrium Plasma Test, Final Report, March 1979
- Fld 8 AeroChem Research Laboratories, Contract 954777, Quarterly Reports,
to Nos. 1-7, September 1977-April 1979
Fld 10
- Fld 11 AeroChem Research Laboratories, Contract 954777, Baseline Cost
Estimate, 1977-1978
- Fld 12 AeroChem Research Laboratories, Contract 954777, Monthly Financial
to Reports, June 1977-August 1979
Fld 14
- Fld 15 AeroChem Research Laboratories, Contract 954777, Monthly Technical Progress Reports,
Nos. 1-5, June-December 1977
- BOX 2**
- Fld 16 AeroChem Research Laboratories, Contract 954777, Monthly Technical Progress Reports,
Nos. 6-14, January-December 1978
- Fld 17 AeroChem Research Laboratories, Contract 954777, Monthly Progress Reports, January-
September 1979
- Fld 18 AeroChem Research Laboratories, Contract 954777, Silicon Halide-Alkali Metal Flames as a
Source of Solar Grade Silicon, Final Report, January 1980
- Fld 19 AeroChem Research Laboratories, Contract 954777, Correspondence, Incoming to JPL, 1977-
1980
- Fld 20 AeroChem Research Laboratories, Contract 954777, Interoffice Memoranda and
Correspondence, February-September 1978

- Fld 21 AeroChem Research Laboratories, Contract 954862, Quarterly Reports, Nos. 1-5, February 1978-February 1979
- Fld 22 AeroChem Research Laboratories, Contract 954862, Quarterly Reports, Nos. 6-7, May-August 1979
- Fld 23 AeroChem Research Laboratories, Contract 954862, Baseline Cost Estimate, Revised, January 1979
- Fld 24 AeroChem Research Laboratories, Contract 954862, Monthly Financial
to Reports, October 1977-August 1979
Fld 26
- Fld 27 AeroChem Research Laboratories, Contract 954862, Monthly Technical
to Progress Reports, Nos. 1-19, October 1977-August 1979
Fld 29
- Fld 30 AeroChem Research Laboratories, Contract 954862, Development of a Model and Computer Code to Describe Solar Grade Silicon Production Processes, December 1979
- Fld 31 AeroChem Research Laboratories, Contract 954862, Correspondence, Incoming to JPL, 1978-1980
- Fld 32 AeroChem Research Laboratories, Contract 954862, Correspondence, Outgoing to AeroChem, 1977-1980
- Fld 33 AeroChem Research Laboratories, Contract 955491, Correspondence, Outgoing to AeroChem, October 1979-January 1980
- Fld 34 AeroChem Research Laboratories, Contract 955491, Correspondence, Incoming to JPL, March 1980-June 1981
- Fld 35 AeroChem Research Laboratories, Contract 955491, Monthly Financial Management Reports, March-April 1981
- Fld 36 AeroChem Research Laboratories, Contract 955491, Monthly Financial Reports, January 1980-February 1981
- Fld 37 AeroChem Research Laboratories, Contract 955491, Monthly Financial Reports, October-December 1979
- Fld 38 AeroChem Research Laboratories, Contract 955491, Monthly Technical
to Progress Reports, Nos. 1-17, October 1979-February 1981
Fld 40
- BOX 3**
- Fld 41 AeroChem Research Laboratories, Contract 955491, Quarterly Reports, Nos. 1-5, October 1979-December 1980

Fld 42 AeroChem Research Laboratories, Contract 955491, Development of Processes for the Production of Solar Grade Silicon from Halides and Alkali Metals, Final Report, Phases I and II, March 1981

Fld 43 Aerospace Corp., Central Station Applications Implementation Plan, Contract 955434, n.d.

Fld 44 Aerospace Corp., Contract 955718, Correspondence, Outgoing to Aerospace Corporation, October 6, 1981

Fld 45 Aerospace Corp., Contract 955201, Quarterly Reports, No. 1, 1978

Fld 46 Aerospace Corp., Contract 955201, Quarterly Reports, Nos. 2-3, 1979

Fld 47 Aerospace Corp., Contract 955201, Program Plan, September-October 1978

Fld 48 Aerospace Corp., Contract 955201, Monthly Financial Management Reports, February-December 1979

Fld 49 Aerospace Corp., Contract 955201, Monthly Progress Reports, Nos. 1-2, September-November 1978

Fld 50 Aerospace Corp., Contract 955201, Monthly Progress Reports, Nos. 4-9, January-August 1979

Fld 51 Aerospace Corp., Contract 955201, Composition Measurements by Analytical Photon Catalysis, Final Report, October 1978-September 1979

Fld 52 Aerospace Corp., Contract 955201, Correspondence, Incoming to JPL, 1979

Fld 53 Aerospace Corp., Contract 955201, Interoffice Memoranda, JPL, September 1978-November 1979

Fld 54 Applied Solar Energy Corp., Contract 730101, Correspondence, Outgoing to Applied Solar Energy Corp., November 3, 1980

Fld 55 Applied Solar Energy Corp., Contract 954830, Interim Report, August 1979

Fld 56 Applied Solar Energy Corp., Contract 955409, SAMICS Cost Study, Vol. II, 1980

Fld 57 Applied Solar Energy Corp., Contract 955409, JPL Interoffice Memoranda, 1979-1980

Fld 58 Applied Solar Energy Corp., Contract 955409, Correspondence, Incoming to Jet Propulsion Laboratory, 1979-1980

Fld 59 Applied Solar Energy Corp., Contract 955409, Final Design Report, 1980

Fld 60 Applied Solar Energy Corp., Contract 955409, SAMICS Cost Study, Block IV Modules, Vol. 1, May 1979-August 1980 (Oversize)

- Fld 61 Applied Solar Energy Corp., Contract 955244, Monthly Financial Management Reports, January-December 1979
- Fld 62 Applied Solar Energy Corp., Contract 955244, Conference Report, April 1, 1979
- Fld 63 Applied Solar Energy Corp., Contract 955244, Jet Propulsion Laboratory Interoffice Memoranda, 1978-1980
- Fld 64 Applied Solar Energy Corp., Contract 955244, Correspondence, Incoming to Jet Propulsion Laboratory, 1978-1980
- Fld 65 Applied Solar Energy Corp., Contract 955118, Jet Propulsion Laboratory Interoffice Memoranda, 1978-1979
- Fld 66 Applied Solar Energy Corp., Contract 955118, Correspondence, Incoming to Jet Propulsion Laboratory, 1980
- Fld 67 Applied Solar Energy Corp., Contract 955118, Evaluation of Ion Implanted Silicon, Final Report, February 1980

BOX 4

- Fld 68 ARCO Solar, Inc., Contract 672595, Correspondence, Outgoing from Jet Propulsion Laboratory, December 1977-June 1979
- Fld 69 ARCO Solar, Inc., Contract 672595, Correspondence, Incoming to Jet Propulsion Laboratory, February-December 1978
- Fld 70 ARCO Solar, Inc., Contract 672595, Monthly Status Reports, January 1978-April 1979
- Fld 71 ARCO Solar, Inc., Contract 672595, **Discreet** Memorandum, March 1978
- Fld 72 ARCO Solar, Inc., Contract 672595, **Discreet** Memorandum, March 1978
- Fld 73 ARCO Solar, Inc., Contract 672595, Correspondence, Outgoing from Jet Propulsion Laboratory, December 1977-June 1979
- Fld 74 ARCO Solar, Inc., Contract 672595, Correspondence, Incoming to Jet Propulsion Laboratory, March-September 1978
- Fld 75 ARCO Solar, Inc., Contract 672595, Contract Reports, October 1977-September 1978
- Fld 76 ARCO Solar, Inc., Contract 672595, Engineering Drawings, June 1977-November 1978
- Fld 77 ARCO Solar, Inc., Contract 672595, Memorandum and Notes, December 1977-October 1979
- Fld 78 ARCO Solar, Inc., Contract 672595, 3 Engineering Drawings for Module Assembly, Laminate Assembly, Frame for 10699 JPL Module, February-March 1978 (Oversize)
- Fld 79 ARCO Solar, Inc., Contract 956097, Correspondence, Outgoing from Jet Propulsion Laboratory, January 27, 1982

- Fld 80 ARCO Solar, Inc., Contract 956097, Block V Intermediate Load Module, Monthly Technical Progress Reports, December 1981-February 1982
- Fld 81 ARCO Solar, Inc., Contract 955325, Correspondence, Incoming to Jet Propulsion Laboratory, 1979
- Fld 82 ARCO Solar, Inc., Contract 955325, Jet Propulsion Laboratory Interoffice Memoranda, 1979-1981
- Fld 83 ARCO Solar, Inc., Contract 955325, Monthly Financial Management Reports, 1979-1980
- Fld 84 ARCO Solar, Inc., Contract 955325, Baseline Financial Report, July 1979
- Fld 85 ARCO Solar, Inc., Contract 955325, Research and Development Technical Plan, July 1979
- Fld 86 ARCO Solar, Inc., Contract 955325, Quarterly Reports, 1979
- Fld 87 ARCO Solar, Inc., Contract 955402, Correspondence, Incoming to Jet Propulsion Laboratory, February 1982
- Fld 88 ARCO Solar, Inc., Contract 955402, Design, Fabrication, Test, Qualification and Price Analysis of "Third Generation" Design Solar Cell Modules, Part 1: Intermediate Load Module, Final Report, April 1982
- Fld 89 ARCO Solar, Inc., Contract 955402, Monthly Progress Reports, August-December 1979
- Fld 90 ARCO Solar, Inc., Contract 955402, Monthly Progress Reports, January-March 1980
- Fld 91 ARCO Solar, Inc., Contract 955402, Program Plan, Block IV, July 1979
- Fld 92 ARCO Solar, Inc., Contract 955402, Jet Propulsion Laboratory Interoffice Memoranda, June 1979-April 1980
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- Fld 93 ARCO Solar, Inc., Contract 955278, Correspondence, Incoming to Jet Propulsion Laboratory, 1979-1980
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- Fld 123 Battelle Columbus Laboratories, Contract 954328, Study 3, Evaluation of Available Encapsulation Materials for Low-Cost Long-Life Silicon Photovoltaic Arrays, Final Report, June 30, 1978
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- Fld 272 Electro-Optical Systems, Contract 952485, Research and Development of Electroformed Aluminum Solar Cell Contacts and Interconnects, Final Report, 2A050(SE), June 18, 1970
- Fld 273 Endurex Corporation, Contract 954728, Correspondence, Outgoing from Jet Propulsion Laboratory, November 1977-August 1978
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- Fld 342 General Electric, Contract 955894, Engineering Task Monthly Financial Report, 3A030(MF), January 6, 1981-November 25, 1981
- Fld 343 General Electric, Contract 955894, Bypass Diode Integration, Final Report, 3A030(SE), December 11, 1981
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- Fld 349 Gnostic Concepts, Contract 954899, Industrialization Study, August 28, 1978
- Fld 350 Gnostic Concepts, Contract 954899, Industrialization Study Reports, April-October 1978
- Fld 351 Gnostic Concepts, Contract 954899, Industrialization Study, Phase II, Final Report, January 1979
- Fld 352 Heliotek, Contract 952560, Development of an Integrated Lightweight Flexible Silicon Solar Cell Array, Final Report, September 12, 1970
- Fld 353 P.R. Hoffman Co., Contract 955981, Correspondence, Outgoing from Jet Propulsion Laboratory, March 13, 1981-June 11, 1981
- Fld 354 P.R. Hoffman Co., Contract 955981, Correspondence, Incoming from Jet Propulsion Laboratory, July 13, 1981-October 27, 1981
- Fld 355 P.R. Hoffman Co., Contract 955981, Monthly Technical Progress and Schedule Report, No. 1-B, Multiple-Blade Sawing (MBS) of Silicon Ingot into Sheet: Testing and Development, IC040(SE), May 11, 1981-December 4, 1981

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Fld 401 Illinois Tool Works, Inc., Contract 955506, Ion-Plating of Solar Cell Arrays Encapsulation
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Fld 406 Ion Physics Corporation, Contract 953270, Development of Gallium Arsenide Solar Cells, Final Report, February 1973

Fld 407 ITT Research Institute, Contract 955720, Correspondence, Outgoing from Jet Propulsion Laboratory, March 31, 1980-January 28, 1982

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Fld 409 ITT Research Institute, Contract 955720, Technical Support in Reliability Engineering of Photovoltaic Modules, Final Monthly Program Report, January 1981

Fld 410 ITT Research Institute, Contract 955720, Monthly Program Reports, 3A015(SE), February 1981-July 1981

Fld 411 ITT Research Institute, Contract 955720, Technical Support in Reliability Engineering of Photovoltaic Modules, Program Reports, 3A015(SE), May-December 1980

Fld 412 ITT Research Institute, Contract 955720, A Program to Develop Elements of a Reliability Design Guidebook for Flat Plate Photovoltaic Arrays, Quarterly Report, October 1980

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Fld 414 Kayex Corporation, Contract 954888, Quarterly Technical Progress Reports, Nos. 1-3 & 5, October 1977-June 1978 and October-December 1978

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- Fld 426 Kayex Corporation, Contract 954888, Continuous Czochralski Growth, Annual Progress Reports, Nos. 1-2, October 1977-September 1978 and October 1978-September 1979
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- Fld 437 Kinetic Coatings, Inc., Contract 955079, Correspondence, Outgoing to Kinetic Coatings, Inc., July 18, 1978-July 20, 1979
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- Fld 456 Kulicke and Soffa Industries, Contract 955287, LSA Project Data Center, Program Plan, January 23, 1979
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- Fld 518 M7 International, Contract 954564, Correspondence, Incoming from M& International, July 27, 1976
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to Purification Project, Technical Quarterly Reports, Nos. 1-11, March 1976-
Fld 689 October 1978
- Fld 690 Motorola, Inc., Contract 954442, Semiconductor Grade, Solar Silicon Purification Project, Technical Progress Reports Nos. 1-4, February-May 1976
- Fld 691 Motorola, Inc., Contract 954442, Semiconductor Grade, Solar Silicon Purification Project, Technical Progress Reports Nos. 5-8, June-September 1976

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- Fld 692 Motorola, Inc., Contract 954442, Semiconductor Grade, Solar Silicon
To Purification Project, Technical Progress Reports, Nos. 9-32, October
Fld 697 1976-October 1978
- Fld 698 Motorola, Inc., Contract 954442, Semiconductor Grade, Solar Silicon Purification Project, Final Technical Report, December 10, 1979
- Fld 699 Motorola, Inc., Contract 954442, Silicon Material Task LSSA Project Part I, Program Plans, March-April 1976
- Fld 700 Motorola, Inc., Contract 954442, Semiconductor Grade, Solar Silicon Purification Project, Financial Management Report, Special Reports Nos. 1-5, May 1, 1978-December 31, 1978

Fld 701 Motorola, Inc., Contract 954442, Semiconductor Grade, Solar Silicon
to Purification Project, Financial Management Reports, Nos. 1-25, February
Fld 703 1976-March 1976

Fld 704 Motorola, Inc., Contract 954442, Baseline Cost Estimate, February 22, 1976

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Fld 705 Motorola, Inc., Contract 954716, Correspondence, Incoming from Motorola, Inc., April 15,
1977-June 21, 1979

Fld 706 Motorola, Inc., Contract 954716, Correspondence, Outgoing to Motorola, Inc., February 3,
1978-June 28, 1979

Fld 707 Motorola, Inc., Contracts 954716 and 954689, Conference Reports re: Motorola, Inc.,
February 1, 1978-May 9, 1978

Fld 708 Motorola, Inc., Contract 954716, Solar Cell Modules with Parallel Oriented Interconnections,
Final Technical/Cost Report, n.d.

Fld 709 Motorola, Inc., Contract 954716, Monthly Status Reports Nos. 1-9, March 1977-April 30,
1978

Fld 710 Motorola, Inc., Contract 954716, Monthly Status Reports Nos. 10-14, May 1, 1978-
September 30, 1978

Fld 711 Motorola, Inc., Contract 954716, Solar Cell Modules with Parallel Oriented Interconnections,
Interim Status Report, December 1977-March 1978

Fld 712 Motorola, Inc., Contract 954847, Correspondence, Incoming from Motorola, Inc., December
22, 1977-December 1980

Fld 713 Motorola, Inc., Contract 954847, Correspondence, Outgoing to Motorola, Inc., November 15,
1977-February 3, 1978

Fld 714 Motorola, Inc., Contract 954847, Jet Propulsion Laboratory Interoffice Memoranda re:
Motorola, Inc., January 25, 1978-August 12, 1980

Fld 715 Motorola, Inc., Contract 954847, Conference Reports re: Motorola, Inc., November 16, 1978-
February 14, 1980

Fld 716 Motorola, Inc., Contract 954847, Phase 2 of the Automated Array Assembly Task of the Low-
Cost Silicon Solar Array Project, Annual Report, November 1978

Fld 717 Motorola, Inc., Contract 954847, Phase 2 of the Automated Array Assembly Task of the
LSSA Project, Final Report, April 1, 1979-March 31, 1980

Fld 718 Motorola, Inc., Contract 954847, Phase 2 of the Automated Array
to Assembly Task of the LSSA Project, Monthly Technical Progress Reports,
Fld 721 Nos. 1-16, November 1977-February 1980

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- Fld 722 Motorola, Inc., Contract 954847, Phase 2 of the Automated Array Assembly Task of the LSSA Project, Technical Reports Nos. 1-2, September 27, 1977-March 1978
- Fld 723 Motorola, Inc., Contract 954847, Phase 2 of the Automated Array Assembly Task of the LSSA Project, Technical Quarterly Reports Nos. 3-6, April 1978-December 31, 1979
- Fld 724 Motorola, Inc., Contract 954847, Phase 2 of the Automated Array Assembly Task of the LSSA Project, Program Plan, October 1977
- Fld 725 Motorola, Inc., Contract 954847, Phase 2 of the Automated Array
To Assembly Task of the LSSA Project, Financial Management Reports, Nos.
Fld 727 1-31, October 1977-August 1980
- Fld 728 Motorola, Inc., Contract 954847. Baseline Financial Report 2A030 (MF), October 1977-May 31, 1978
- Fld 729 Motorola, Inc., Contract 954847, Phase 2 of the Automated Array Assembly Task of the LSSA Project, Solar Array Manufacturing Industry Costing Standards (SAMICS) Cost Analysis, Reports Nos. 1-3, September 27, 1977-June 30, 1978
- Fld 730 Motorola, Inc., Contract 955324, Correspondence, Incoming from Motorola, Inc, February 19, 1979-November 12, 1980
- Fld 731 Motorola, Inc., Contract 955324, Correspondence, Outgoing to Motorola, Inc., January 22, 1979-November 14, 1980
- Fld 732 Motorola, Inc., Contract 955324, Jet Propulsion Laboratory Interoffice Memoranda re: Motorola, Inc., February 12, 1980-January 15, 1981
- Fld 733 Motorola, Inc., Contract 955324, Conference Reports re: Motorola, Inc., March 27, 1979-March 6, 1980
- Fld 734 Motorola, Inc., Contract 955324, The Development of a Method of Producing Etch Resistant Wax Patterns on Solar Cells, Final Technical Report, November 1980
- Fld 735 Motorola, Inc., Contract 955324, The Development of Producing Etch Resistant Wax Patterns on Solar Cells, Monthly Technical Letter Progress Reports Nos. 1-11, February 1, 1979-March 31, 1980
- Fld 736 Motorola, Inc., Contract 955324, The Development of a Method of Producing Etch Resistant Wax Patterns on Solar Cells, Quarterly Technical Reports Nos. 1-3, January 17, 1979-September 30, 1979

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- Fld 737 Motorola, Inc., Contract 955324, The Development of a Method of Producing Etch resistant Wax Patterns on Solar Cells, Program Plan, February 16, 1979

Fld 738 Motorola, Inc., Contract 955324, Financial Management and Narrative Reports Nos. 1-8, January 16, 1979-August 31, 1979

Fld 739 Motorola, Inc., Contract 955324, Financial Management and Narrative Reports Nos. 9-19, September 1, 1979-July 31, 1980

Fld 740 Motorola, Inc., Contract 955324, Baseline Cost Estimate, February 23, 1979

Fld 741 Motorola, Inc., Contract 955328, Correspondence, Incoming from Motorola, Inc., February 20, 1979-April 27, 1981

Fld 742 Motorola, Inc., Contract 955328, Correspondence, Outgoing to Motorola, Inc., January 23, 1979-November 14, 1980

Fld 743 Motorola, Inc., Contract 955328, Conference Reports re: Motorola, Inc., April 21, 1980-February 20, 1981

Fld 744 Motorola, Inc., Contract 955328, Interoffice Memoranda re: Motorola, Inc., November 17, 1980-February 19, 1981

Fld 745 Motorola, Inc., Contract 955328, The Establishment of a Production-Ready Manufacturing Process Utilizing Thin Silicon Substrates for Solar Cells, Final Report, October 1980

Fld 746 Motorola, Inc., Contract 955328, Monthly Technical Letter Progress Reports Nos. 1-5, February 1, 1979-August 31, 1979

Fld 747 Motorola, Inc., Contract 955328, Monthly Technical Letter Progress Reports Nos. 6-10, October 1, 1979-February 29, 1980

Fld 748 Motorola, Inc., Contract 955328, Quarterly Technical Reports Nos. 1-3, February 1, 1979-September 30, 1979

Fld 749 Motorola, Inc., Contract 955328, Financial Management and Narrative Reports Nos. 1-9, February 1, 1979-October 31, 1979

Fld 750 Motorola, Inc., Contract 955328, Financial Management and Narrative Reports Nos. 10-18, November 1, 1979-July 31, 1980

Fld 751 Motorola, Inc., Contract 955328, Baseline Cost Estimate, February 23, 1979

Fld 752 Motorola, Inc., Contract 955328, Program Plan, February 16, 1979

Fld 753 Motorola, Inc., Contract 955339, Correspondence, Incoming from Motorola Inc., February 20, 1979-April 17, 1981

Fld 754 Motorola, Inc., Contract 955339, Correspondence, Outgoing to Motorola, January 25, 1979-November 14, 1980

Fld 755 Motorola, Inc., Contract 955339, Conference Reports re: Motorola, Inc, February 20, 1979-November 14, 1979

- Fld 756 Motorola, Inc., Contract 955339, Interoffice Memoranda re: Motorola, Inc., December 31, 1980
- Fld 757 Motorola, Inc., Contract 955339, Quarterly Technical Reports Nos. 1-3, January 29, 1979-September 30, 1979
- Fld 758 Motorola, Inc., Contract 955339, Anti-Reflection Coatings on Large Area Glass Sheets, Final Report, September 1980
- Fld 759 Motorola, Inc., Contract 955339, Monthly Technical Letter Progress Reports Nos. 1-9, February 1, 1979-January 31, 1980

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- Fld 760 Motorola, Inc., Contract 955339, Anti-Reflection Coatings on Large Area Glass Sheets, Program Plan, n.d.
- Fld 761 Motorola, Inc., Contract 955339, Financial Management and Narrative Reports Nos. 1-11, February 1, 1979-December 31, 1979
- Fld 762 Motorola, Inc., Contract 955339, Financial Management and Narrative Reports Nos. 12-18, January 1, 1980-July 31, 1980
- Fld 763 Motorola, Inc., Contract 955339, Chemical Process Equipment Cost Analysis, December 1980
- Fld 764 Motorola, Inc., Contract 955339, Baseline Financial Report, March 1, 1979
- Fld 765 Motorola, Inc., Contract 955367, Correspondence, Incoming from Motorola, Inc., April 23, 1979-September 9, 1980
- Fld 766 Motorola, Inc., Contract 955367, Photovoltaic Module Electrical Termination Design Requirement Study, Task I Report, October 9, 1979
- Fld 767 Motorola, Inc., Contract 955367, Photovoltaic Module Electrical Termination Design Requirement Study, Final Report, July 1980
- Fld 768 Motorola, Inc., Contract 955367, Photovoltaic Module Electrical Termination Design Requirement Study, Executive Summary, July 1980
- Fld 769 Motorola, Inc., Contract 955367, Monthly Technical Progress Reports Nos. 1-3, March 1, 1980-May 31, 1979
- Fld 770 Motorola, Inc., Contract 955367, Monthly Technical Progress Reports Nos. 4-6, June 1, 1979-August 31, 1979
- Fld 771 Motorola, Inc., Contract 955367, Financial Management and Narrative Reports Nos. 1-8, March 1, 1979-October 31, 1979
- Fld 772 Motorola, Inc., Contract 955367, Financial Management and Narrative reports Nos. 9-17, November 1, 1979-July 31, 1980

Fld 773 Motorola, Inc., Contract 955406, Correspondence, Incoming from Motorola, Inc., July 12, 1979-July 21, 1980

Fld 774 Motorola, Inc., Contract 955406, Correspondence, Outgoing to Motorola, Inc., May 23, 1979-November 14, 1980

Fld 775 Motorola, Inc., Contract 955406, Jet Propulsion Laboratory Interoffice Memoranda re: Distribution, July 13, 1979

Fld 776 Motorola, Inc., Contract 955406, Design, Fabrication, Test, Qualification and Price Analysis of Third Generation Design Solar Cell Modules, Final Design Report, January 14, 1981

Fld 777 Motorola, Inc., Contract 955406, Monthly Technical Reports. Nos. 1-13,
to May 1977-June 1980
Fld 779

Fld 780 Motorola, Inc., Contract 955844, Correspondence, Incoming from Motorola, Inc., December 3, 1980-January 5, 1982

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Fld 781 Motorola, Inc., Contract 955844, Correspondence, Outgoing to Motorola, Inc., November 11, 1980

Fld 782 Motorola, Inc., Contract 955844, Conference Reports re: Motorola, Inc., November 25, 1980-April 15, 1981

Fld 783 Motorola, Inc., Contract 955844, Interoffice Memoranda re: Motorola, Inc., November 6, 1980

Fld 784 Motorola, Inc., Contract 955844, Processing Experiments on Non-Czochralski Silicon Sheet (MEPSDU Support Contract), Monthly Technical Reports Nos. 1-5, October 20, 1980-March 31, 1981

Fld 785 Motorola, Inc., Contract 955844, Processing Experiments on Non-Czochralski Silicon Sheet (MEPSDU Support Contract), Final Report, April 1981

Fld 786 Motorola, Inc., Contract 955844, Quarterly Technical Report No. 1, October 14, 1980-December 31, 1980

Fld 787 Motorola, Inc., Contract 955844, Financial Management Reports Nos. 1-7, November 4, 1980-April 30, 1981

Fld 788 Motorola, Inc., Contract 952022, Final Report on Bonding Large Area Silicon Wafers, March 1969

Fld 789 Motorola, Inc., Contract 954689, Correspondence, Outgoing to Motorola, Inc., June 12, 1978-June 28, 1979

Fld 790 Motorola, Inc., Contract 954689, Correspondence, Incoming from Motorola, Inc., September 26, 1977-March 22, 1979

Fld 791 Motorola, Inc., Contract 954689, Jet Propulsion Laboratory Interoffice Memorandum re: Motorola, Inc., July 30, 1980

Fld 792 Motorola, Inc., Contract 720307, Correspondence, Outgoing to Motorola, Inc., November 3, 1980

Fld 793 Motorola, Inc., No Contract Number, Photocopies of Six Charts showing Verification of Contractor Measurements, Qual Modules, OCLI Cells, Jun-November 1978 (Oversize)

Fld 794 Motorola, Inc., No Contract Number, Photocopies of two Charts showing Voltage Ratings of Mot cells Production Sample, September-November 1978 (Oversize)

Fld 795 Motorola, Inc., No Contract Number, Three Data Sheets showing Verification of Contractor Measurements, October 1978 (Oversize)

Fld 796 Motorola, Inc., No Contract Number, Photocopies of Four Charts showing Reference Cell Voltage, June-July 1978 (Oversize)

Fld 797 Motorola, Inc., No Contract Number, Photocopies of Two Engineering Drawings showing Module Mount Dimensions and Interconnect Assembly, November 1977-September 1978 (Oversize)

Fld 798 National Bureau of Standards, Contract WO8604, Quarterly Technical Progress Reports, Nos. 1, April-June 1977 and 3, October-December 1977

Fld 799 National Research for Geosciences Laboratories, Inc., Contract 956083, Correspondence, Outgoing to National Research for Geosciences Laboratories, July 13, 1981

Fld 800 Norlin Industries, Inc., Contract 955563, Slicing of Single Crystal and Polycrystalline Silicon Ingots Using Multi-Blade Saws, Final Report, January 3-July 3, 1980

Fld 801 Norlin Industries, Inc., Contract 955563, Correspondence, Outgoing to Norlin Industries, Inc., January 3-March 4, 1980

Fld 802 Norlin Industries, Inc., Contract 955981, Monthly Financial reports, May 23-December 31, 1981

Fld 803 Northrop Corp., Contract 954614, Monthly Financial Reports, March 1977-February 1978

Fld 804 Northrop Corp., Contract 954614, Monthly Financial Reports, February-September 1978

Fld 805 Northrop Corp., Contract 954614, Monthly Technical Progress Reports, Nos. 1-5, January-May 1977

Fld 806 Northrop Corp., Contract 954614, Correspondence, Incoming to Jet Propulsion Laboratory, February 1977-November 1978

- Fld 807 Northrop Corp., Contract 954614, Jet Propulsion Laboratory Interoffice Memoranda and Outgoing Correspondence, December 1976-February 1978
- Fld 808 Northrop Corp., Contract 954614, Lifetime and Diffusion Length Measurements on Silicon Material and Solar Cells, Final Report, December 16, 1976-October 31, 1977
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- Fld 809 OLIN Metals Research Laboratories, Contract 955378, Correspondence, Outgoing to OLIN Metals Research Laboratories, February 5, 1981
- Fld 810 Optical Coating Laboratory, Contract 954830, Conference Reports and Outgoing Correspondence from Jet Propulsion Laboratory, November 1977-June 1979
- Fld 811 Optical Coating Laboratory, Contract 954830, Correspondence, Incoming to Jet Propulsion Laboratory, October 1977-December 1979
- Fld 812 Optical Coating Laboratory, Contract 954830, First Quarterly Report, September-November 1977
- Fld 813 Optical Coating Laboratory, Contract 954830, Monthly Progress Reports, September 1977-June 1979
- Fld 814 Optical Coating Laboratory, Contract 954830, Assessment of Present State-of-the-Art Sawing Technology of Large Diameter Ingots for Solar Sheet Material, Final Report, September 1, 1977-February 28, 1978
- Fld 815 Optical Coating Laboratory, Inc., Contract 955409, Monthly Reports Nos. 1-8, 1979
- Fld 816 Optical Coating Laboratory, Inc., Contract 955409, Monthly Reports Nos. 9-14, 1980
- Fld 817 Optical Coating Laboratory, Inc., Contract 955409, Correspondence, Incoming to Jet Propulsion Laboratory, 1979
- Fld 818 Optical Coating Laboratory, Inc., Contract 955118, Evaluation of Ion-Implanted Silicon, Interim Report, December 15, 1978
- Fld 819 Optical Coating Laboratory, Inc., Contract 955244, Semi-Annual Report, October 1978-May 1979
- Fld 820 Optical Coating Laboratory, Inc., Contract 955244, Quarterly Reports, Nos. 1-3, 1979-1980
- Fld 821 Optical Coating Laboratory, Inc., Contract 955244, Program Plan, October 1978
- Fld 822 Optical Coating Laboratory, Inc., Contract 955244, Baseline Cost Estimate Report, 1978
- Fld 823 Optical Coating Laboratory, Inc., Contract 955244, Baseline Cost Estimate, February 1979
- Fld 824 Optical Coating Laboratory, Inc., Contract 955244, Monthly Financial Reports, October-December 1978

- Fld 825 Optical Coating Laboratory, Inc., Contract 955244, Monthly Financial Reports, February-March 1980
- Fld 826 Optical Coating Laboratory, Inc., Contract 955244, Monthly Technical Progress Reports, Nos. 1-2, 1978
- Fld 827 Optical Coating Laboratory, Inc., Contract 955244, Monthly Technical Progress Reports, Nos. 3-9, 1979
- Fld 828 Optical Coating Laboratory, Inc., Contract 955244, Monthly Technical Progress Reports, February-March 1980
- Fld 829 Optical Coating Laboratory, Inc., Contract 955244, Development of Low Cost Contacts to Silicon Solar Cells, Final Report, October 15, 1978-April 30, 1980
- Fld 830 Optical Coating Laboratory, Inc., Contract 954831, High Efficiency, Long Life Terrestrial Solar Panel, First Quarterly Report, September-November 1977

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- Fld 831 Optical Coating Laboratory, Inc., Contract 954831, Monthly Technical Progress Reports, Nos. 1-3, Sept-December 1977
- Fld 832 Optical Coating Laboratory, Inc., Contract 954831, Monthly Technical Progress Reports, Nos. 4-5, January-February 1978
- Fld 833 Optical Coating Laboratory, Inc., Contract 954831, Correspondence, Incoming to Jet Propulsion Laboratory, January-March 1978
- Fld 834 Optical Coating Laboratory, Inc., Contract 954831, Jet Propulsion Laboratory Interoffice Memoranda, December 1977-June 1978
- Fld 835 Optical Coating Laboratory, Inc., Contract 954831, Final Report, September 1977-March 1978
- Fld 836 Optical Coating Laboratory, Inc., Contract 954197, Research, Development and Pilot Production of High Output thin Silicon Solar Cells, Final Report, December 1976
- Fld 837 Optical Coating Laboratory, Inc., Contract 955217, Contract Draft Document, September-October 1980
- Fld 838 Optical Coating Laboratory, Inc., Contract 955217, Manufacturing Process Specifications, February 1981
- Fld 839 Optical Coating Laboratory, Inc., Contract 955127, Monthly Technical Progress Report, No. 10, January 1980
- Fld 840 Optical Coating Laboratory, Contract 955217, Conference Report, March 1980
- Fld 841 Optical Coating Laboratory, Inc., Contract 955217, Monthly Technical Progress Reports, Nos. 2-9, January-November 1979

- Fld 842 Optical Coating Laboratory, Inc., Contract 955217, Monthly Technical Progress Report, December 1978
- Fld 843 Optical Coating Laboratory, Inc., Contract 955217, Monthly Financial Reports, January-December 1980
- Fld 844 Optical Coating Laboratory, Inc., Contract 955217, Monthly Financial Reports, December 1978-December 1979
- Fld 845 Optical Coating Laboratory, Inc., Contract 955217, Baseline Cost Estimate, January 1979
- Fld 846 Optical Coating Laboratory, Inc., Contract 955217, Revised Program Plan, January 1979
- Fld 847 Optical Coating Laboratory, Inc., Contract 955217, Program Plan, December 1978
- Fld 848 Optical Coating Laboratory, Inc., Contract 955217, Quarterly Reports, Nos. 1-3, November 1978-November 1979
- Fld 849 Optical Coating Laboratory, Inc., Contract 955127, High Efficiency P/N Modules, June 1980
- Fld 850 Optical Coating Laboratory, Inc., Contract 955217, High Efficiency P/N Module, Appendices I-VI, n.d.
- Fld 851 Optical Coating Laboratory, Inc., Contract 955217, Development of High Efficiency (14%) Solar Cell Array Module, Final Report, November 1979-June 1980

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- Fld 852 Photon Power, Inc., Contract LK-720306, Correspondence, Incoming from Photon Power, Inc., March 7, 1980-June 15, 1981
- Fld 853 Photon Power, Inc., Contract LK-720306, Investigation of the Reliability of Sprayed Backwall CU₂S/CdS Solar Cells for Terrestrial Applications, n.d.
- Fld 854 Photon Power, Inc., Contract LK-720306, Sprayed Cadmium Sulphide Solar Cells, n.d.
- Fld 855 Photowatt International, Inc., Contract 955410, Monthly Technical Report for Design, Fabrication, Test, Qualification and Cost Analysis of Third Generation Solar Cell Modules, January-July 15, 1980
- Fld 856 Photowatt International, Inc., Contract 955410, Monthly Technical Reports for Design, Fabrication, Test, Qualification and Cost Analysis of Third Generation Solar Cell Modules, July 1, 1980-July 31, 1981
- Fld 857 Photowatt International, Inc., Contract 955410, Design, Fabrication, Test Qualification and Price Analysis of a Third Generation Solar Cell Modules, June 1982
- Fld 858 Photowatt International, Inc., Contract 955410, Correspondence, Incoming from Photowatt/Sensor, January 25, 1980-August 15, 1981

Fld 859 Photowatt International, Inc., Contract 955265, Correspondence, Incoming from Photowatt International, Inc., January 24, 1980-November 20, 1980

Fld 860 Photowatt International, Inc., Monthly Financial Reports, Contract 955265, January 19, 1979-January 24, 1980

Fld 861 Photowatt, International, Inc., Contract 955265, Automated Array Assembly Task Development of Low-Cost Polysilicon Solar Cells, Final Report, November 1980

Fld 862 PRC Energy Analysis Company, Contract 955571, Quarterly Contractor Financial Management Report, January 1, 1980

Fld 863 RCA, Contract 956100, Correspondence, Incoming from RCA, November 13, 1981-December 9, 1981

Fld 864 RCA, Contract 956100, Correspondence, Outgoing to RCA, September 25, 1981-January 27, 1982

Fld 865 RCA, Contract 956100, Design of Block V Solar Cell Modules, FAS Module Procurement Task, Technical Progress Reports 1-4, September 25, 1981-February 10, 1982

Fld 866 RCA, Contract 955342, Correspondence, Incoming from RCA, February 9, 1981

Fld 867 RCA, Contract 955342, Correspondence, Outgoing to RCA, March 16, 1979-June 18, 1979

Fld 868 RCA, Contract 955342, Conference Reports, October 16, 1979-July 7, 1980

Fld 869 RCA, Contract 955342, Jet Propulsion Laboratory Interoffice Memoranda, November 19, 1980-December 23, 1980

Fld 870 RCA, Contract 955282, Jet Propulsion Laboratory Interoffice Memoranda, November 19, 1979

Fld 871 RCA, Contract 955342, Quarterly Reports, Nos. 1-4, July 1, 1979-April 1, 1980

Fld 872 RCA, Contract 955342, Monthly Reports, Nos. 1, 3-11, May 1, 1979-July 1, 1980

Fld 873 RCA, Contract 955342, Program Plan, Development of Megasonic Cleaning for Silicon Wafers, n.d.

Fld 874 RCA, Contract, 955342, Monthly Financial Management Report, April 1979-August 1980

Fld 875 RCA, Contract 955342, Baseline Cost Estimate, May 1, 1979-May 4, 1980

Fld 876 RCA, Contract 955342, Development of Megasonic Cleaning for Silicon Wafers, Final Report, September 1980

Fld 877 RCA, Contract 955825, Correspondence, Incoming from RCA, April 30, 1981-September 15, 1981

Fld 878 RCA, Contract 955825, Correspondence, Outgoing to RCA, January 27, 1981

Fld 879 RCA, Contract 955825, Jet Propulsion Laboratory Interoffice Memoranda, March 30, 1981-January 28, 1982

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Fld 881 RCA, Contract 955825, Program Plans, February-April 1981

Fld 882 RCA, Contract 955825, Preliminary Process Specifications and Procedures for Evaluation and Verification of Epitaxial Process Sequence for Silicon Solar-Cell Production, April 1981

Fld 883 RCA, Contract 955825, Quarterly Reports Nos. 1-2, April 1981-July 1981

Fld 884 RCA, Contract 955825, Monthly Contractor Financial Reports, February 1981-September 14, 1981

Fld 885 RCA, Contract 955825, Baseline Cost Estimate, February 18, 1981

Fld 886 RCA, Contract 955825, Initial SAMICS (Solar Array Manufacturing Industry Costing Standards) Cost Analysis for Evaluation of Verification of Epitaxial Process Sequence for Silicon Solar-Cell Production, April 1981

Fld 887 RCA, Contract 955825, Evaluation and Verification of Epitaxial Process Sequence for Silicon Solar-Cell Production, Final Program Summary Report, November 1981

Fld 888 RCA Laboratories, Contract 954817, Quarterly Reports, Nos. 1-3, 1977-1978

Fld 889 RCA Laboratories, Contract 954817, Transmittal Letter for Program Plan, November 7, 1977

Fld 890 RCA Laboratories, Contract 954817, Baseline Cost Estimate, October 25, 1977

Fld 891 RCA Laboratories, Contract 954817, Monthly Financial Reports, October-December 1977

Fld 892 RCA Laboratories, Contract 954817, Monthly Financial Reports, January-July 1978

Fld 893 RCA Laboratories, Contract 954817, Monthly Letter Reports, Nos. 1-2, 1977

Fld 894 RCA Laboratories, Contract 954817, Jet Propulsion Laboratory Interoffice Memoranda, 1977-1978

Fld 895 RCA Laboratories, Contract 954817, Conference Reports, 1978

Fld 896 RCA Laboratories, Contract 954817, Correspondence, Incoming to Jet Propulsion Laboratory, 1977-1979

Fld 897 RCA Laboratories, Contract 954901, Quarterly Reports, Nos. 1-5, 1977-1978

Fld 898 RCA Laboratories, Contract 954901, Monthly Financial Reports, October-December 1977

Fld 899 RCA Laboratories, Contract 954901, Monthly Financial Reports, 1978

Fld 900 RCA Laboratories, Contract 954901, Monthly Financial Reports, January-February, 1979

Fld 901 RCA Laboratories, Contract 954901, Monthly Technical Progress Report, 1977

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Fld 905 RCA Laboratories, Contract 954901, Jet Propulsion Laboratory Interoffice Memoranda, 1977-1978

Fld 906 RCA Laboratories, Contract 954901, Conference Reports, 1977-1979

Fld 907 RCA Laboratories, Contract 954901, Development and Evaluation of Die Materials for Use in the Growth of Silicon Ribbons by the Inverted Ribbon Growth Process, Task II, LSA Project, Final Report, December 1979

Fld 908 RCA Laboratories, Contract 954465, Quarterly Reports, Nos. 1-2, 1976

Fld 909 RCA Laboratories, Contract 954465, Quarterly Reports, Nos., 3-4, 1976-1977

Fld 910 RCA Laboratories, Contract 954565, Correspondence, Incoming to Jet Propulsion Laboratory, 1976-1978

Fld 911 RCA Laboratories, Contract 954465, Jet Propulsion Laboratory Interoffice Memoranda, 1977-1978

Fld 912 RCA Laboratories, Contract 954465, Conference Reports, 1977

Fld 913 RCA Laboratories, Contract 954465, Monthly Technical Progress Reports, Nos. 1-6, May-November 1976

Fld 914 RCA Laboratories, Contract 954465, Monthly Technical Progress Reports, Nos. 7-9, January-April 1977

Fld 915 RCA Laboratories, Contract 954465, Monthly Financial Management Reports, January-May 1977

Fld 916 RCA Laboratories, Contract 954465, Monthly Financial Management Reports, May-December 1976

Fld 917 RCA Laboratories, Contract 954465, Silicon Sheet Growth by the Inverted Stepanov Technique, Final Report, June 1977

- Fld 918 RCA Laboratories, Contract 954817, Monthly Letter Reports, Nos. 3-8, 1978
- Fld 919 RCA Laboratories, Contract 954817, Epitaxial Silicon Growth for Solar Cells, Final Report, April 1979
- Fld 920 RCA Laboratories, Contract 954868, Correspondence, Incoming to Jet Propulsion Laboratory, 1978-1980
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- Fld 922 RCA Laboratories, Contract 954868, Jet Propulsion Laboratory Interoffice Memoranda, 1978-1981
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- Fld 925 RCA Laboratories, Contract 954868, Monthly Technical Progress Reports, Jan., Feb., Apr., May, July, Aug., 1979
- Fld 926 RCA Laboratories, Contract 954868, Interim Report, 1979
- Fld 927 RCA Laboratories, Contract 954868, SAMICS Cost Analysis, December 1980
- Fld 928 RCA Laboratories, Contract 954868, Monthly Financial Reports, October-December 1977
- Fld 929 RCA Laboratories, Contract 954868, Monthly Financial Reports, January-July & December 1978
- Fld 930 RCA Laboratories, Contract 954868, Monthly Financial Reports, January-December 1979
- Fld 931 RCA Laboratories, Contract 954868, Monthly Financial Reports, January-April 1980
- Fld 932 RCA Laboratories, Contract 954868, Program Plan, December 1977
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- Fld 934 RCA Laboratories, Contract 954868, Quarterly Reports, Nos. 1-4, December 1977-October 1978
- Fld 935 RCA Laboratories, Contract 954868, Quarterly Reports, Nos. 5-7, March 1979-October 1979
- Fld 936 RCA Laboratories, Contract 954868, Revised Baseline Cost Estimate, November 1977

Fld 937	RCA Laboratories, Contract 954868, Automated Array Assembly, Phase II, Final Report, October 1980
Fld 938	RCA Laboratories, Contract 954352, Quarterly Reports, Nos. 1-3, February-September 1976
Fld 939	RCA Laboratories, Contract 954352, Quarterly Reports, Nos. 4-5, May & October 1977
Fld 940	RCA Laboratories, Contract 954352, Program Plan, February 13, 1976 and Revised Program Plan, March 15, 1976
Fld 941	RCA Laboratories, Contract 954352, Baseline Cost Estimate, February 1976
Fld 942	RCA Laboratories, Contract 954352, Monthly Financial Reports, February-December 1976
Fld 943	RCA Laboratories, Contract 954352, Monthly Financial Reports, January-October 1977 and Final Financial Report, January 1979
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Fld 944	RCA Laboratories, Contract 954352, Monthly Technical Progress Reports, Nos. 1-7, March-December 1976
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Fld 948	RCA Laboratories, Contract 954352, Jet Propulsion Laboratory Interoffice Memoranda, December 1976-February 1978
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Fld 950	Rockwell International, Contract 954372, Chemical Vapor Deposition Growth, Quarterly Reports, Nos. 1-4, 1976-1977
Fld 951	Rockwell International, Contract 954372, Initial and Revised Baseline Cost Estimates, 1976-1977
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- Fld 957 Rockwell International, Contract 954372, Jet Propulsion Laboratory Interoffice, 1978
- Fld 958 Rockwell International, Contract 954372, Chemical Vapor Deposition, Final Report, December 29, 1975-August 31, 1977
- Fld 959 Rockwell International, Contract 954458, Quarterly Technical Progress Reports, Nos. 1-3, April-December 1976
- Fld 960 Rockwell International, Contract 954458, Quarterly Technical Progress Reports, Nos. 4-7, January-December 1977
- Fld 961 Rockwell International, Contract 954458, Quarterly Technical Progress Report, No. 8, January-March 1978
- Fld 962 Rockwell International, Contract 954458, Baseline Financial Report, April 9, 1976; Revised Baseline Financial Report, March 25, 1977
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- Fld 970 Rockwell International, Contract 954458, Final Report on Accelerated/Abbreviated Test Methods for Predicting Life of Solar Cell Encapsulants, April 30, 1978
- Fld 971 Rockwell International, Contract 954458, Jet Propulsion Laboratory Interoffice Memoranda, April 1977-February 1978
- Fld 972 Rockwell International, Contract 954458, Conference Report, February 9, 1978

- Fld 973 C. T. Sah Associates, Contract 954685, Correspondence, Incoming from C. T. Sah Associates, March 26, 1977
- Fld 974 C. T. Sah Associates, Contract 954685, Correspondence, Outgoing to C. T. Sah Associates, February 3, 1978-October 6, 1981
- Fld 975 C. T. Sah Associates, Contract 954685, Study of the Effects of Impurities on the Properties of Silicon Materials and Performance of Silicon Solar Cell, First Annual Technical Report, April 1978
- Fld 976 C. T. Sah Associates, Contract 954685, Second-Fourth Annual Technical
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- Fld 979 C. T. Sah Associates, Contract 954685, Fifth Annual/Final Technical Report, October 1981
- Fld 980 C. T. Sah Associates, Contract 954685, Monthly Technical Progress
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- Fld 988 J. C. Schumacher Co., Contract 954914, Quarterly Reports, Nos. 2-4, March-September 1978
- Fld 989 J. C. Schumacher Co., Contract 954914, Proposed Program Plan for High Velocity Continuous-Flow Reactor for the Production of Solar Grade Silicon, November 1977
- Fld 990 J. C. Schumacher Co., Contract 954914, Baseline Cost Estimate, October 1977-May 1978
- Fld 991 J. C. Schumacher Co., Contract 954914, Monthly Financial Reports,
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- Fld 994 J. C. Schumacher Co., Contract 954914, Monthly Technical Progress Reports, Nos. 1-3, October 1977-January 15, 1978
- Fld 995 J. C. Schumacher Co., Contract 954914, Monthly Technical Progress Reports, Nos. 4-14, January 16, 1978-January 15, 1979
- Fld 996 J. C. Schumacher Co., Contract 954914, Economic Feasibility of 1,000 MT/Year Electronic Grade Silicon Production, January 19, 1979

- Fld 997 J. C. Schumacher Co., Contract 954914, Monthly Technical Progress Report, No. 15, January-February 1979
- Fld 998 J. C. Schumacher Co., Contract 954914, Correspondence, Incoming to Jet Propulsion Laboratory, January 1978-January 1979
- Fld 999 J. C. Schumacher Co., Contract 954914, Jet Propulsion Laboratory Interoffice Memoranda, November 1977-February 1978
- Fld 1000 J. C. Schumacher Co., Contract 954914, Final Report, The Production of Solar Cell Grade Silicon from Bromosilanes, January 1979
- BOX 64**
- Fld 1001 Science Applications, Inc., Contract 955677, Correspondence, Outgoing to Science Applications, Inc., February 22, 1980-October 12, 1981
- Fld 1002 Science Applications, Inc., Contract 955677, Correspondence, Incoming from Science Applications, Inc., April 11, 1980
- Fld 1003 Science Applications, Inc., Contract 955677, Monthly Contractor Financial Management Reports, March 1980-January 2, 1981
- Fld 1004 Science Applications, Inc., Contract 955677, SAI Program Plan for Commercialization of Federal Photovoltaic Systems Applications Study, March 7, 1980
- Fld 1005 Science Applications, Inc., Contract 955677, Baseline Cost Estimate, March 6, 1980
- Fld 1006 Sensor Technology, Inc., Contract 954565, Correspondence, Incoming to Jet Propulsion Laboratory, August 1976-January 1978
- Fld 1007 Sensor Technology, Inc., Contract 954565, Correspondence, Incoming to Jet Propulsion Laboratory, January-November 1977
- Fld 1008 Sensor Technology, Inc., Contract 954565, Silicon Solar Cell Module Performance, Environmental Test and Inspection Requirements Contract Documents, October 1975-February 1977
- Fld 1009 Sensor Technology, Inc., Contract 954565, Contract Documents, February 1977-March 1978
- Fld 1010 Sensor Technology, Inc., Contract 954565, Jet Propulsion Laboratory Contract Procurement Requisitions, May 1976-January 1978
- Fld 1011 Sensor Technology, Inc., Contract 954565, Jet Propulsion Laboratory Interoffice Memoranda, January-December 1977
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- Fld 1014 Sensor Technology, Inc., Contract 954565, Test Records and Reports, July 1976-December 1977
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- Fld 1019 Sensor Technology, Inc., Contract 954565, Monthly Progress Reports, Nos. 1-4, July-December 1976
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- Fld 1021 Sensor Technology, Inc., Contract 954565, Correspondence, Incoming to Jet Propulsion Laboratory, November 1976-April 1978
- Fld 1022 Sensor Technology, Inc., Contract 954565, Jet Propulsion Laboratory Interoffice Memoranda, February 3, 1978
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- Fld 1027 Sensor Technology, Inc., Contract 672593, Monthly Status Reports, October 1978-May 1979
- Fld 1028 Sensor Technology, Inc., Contract 672593, Monthly Status Reports, June 1979-March 1980
- Fld 1029 Sensor Technology, Inc., Contract 681926, Correspondence, Outgoing to Sensor Technology, Inc., June 29, 1979
- Fld 1030 Sensor Technology, Inc., Contract 681926, Correspondence, Incoming from Sensor Technology, Inc., July 2, 1979-March 10, 1980

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- Fld 1052 Sensor Technology, Inc., Contract 955255, Program Plan, December 21, 1978
- Fld 1053 Sensor Technology, Inc., Contract 955266, Quarterly Technical Report No. 1, December 14, 1978-March 31, 1979
- Fld 1054 Sensor Technology, Inc., Contract 955266, Automated Array Assembly Task In-Depth Study of Silicon Wafer Surface Texturizing, Final Report, July 1979
- Fld 1055 Sensor Technology, Inc./Photowatt International, Inc., Contract 954865, Correspondence, Incoming to Jet Propulsion Laboratory, 1977-1980
- Fld 1056 Sensor Technology, Inc./Photowatt International, Inc., Contract 954865, Conference Reports, February 1978-February 1979
- Fld 1057 Sensor Technology, Inc./Photowatt International, Inc., Contract 954865, Jet Propulsion Laboratory Interoffice Memoranda, 1977-1980
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- Fld 1069 Sensor Technology, Inc., Contract 954865, Quarterly Technical Reports, Nos. 1-4, October 1977-September 1978
- Fld 1070 Sensor Technology, Inc., Contract 954865, Quarterly Technical Reports, Nos. 6-8, June-December 1979
- Fld 1071 Sensor Technology, Inc., Contract 954865, Array Automated Assembly Task, Final Report, December 1980
- Fld 1072 Sensor Technology, Inc., Contract 954605, Quarterly Reports, Nos. 1-3, March-September 1977
- Fld 1073 Sensor Technology, Inc., Contract 954605, Quarterly Report, No. 4, October-December 1977
- Fld 1074 Sensor Technology, Inc., Contract 954605, Comprehensive Program Implementation Plan, February 28, 1977
- Fld 1075 Sensor Technology, Inc., Contract 954605, Monthly Financial Report, January-December 1977
- Fld 1076 Sensor Technology, Inc., Contract 954605, Monthly Financial Report, January-December 1978
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- Fld 1078 Sensor Technology, Inc., Contract 954605, Monthly Technical Progress Reports, Nos. 1-8, 1977
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- Fld 1081 Sensor Technology, Inc., Contract 954605, Jet Propulsion Laboratory Interoffice Memoranda, March 1977-January 1979

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- Fld 1083 Sensor Technology, Inc., Contract 954605, Development of Low-Cost, High-Energy-Per-Unit-Area Solar Cell Modules, Final Report, April 1978

Fld 1084 Sensor Technology, Inc., Contract 954387, Bar Chart Schedules, April-July 1976

Fld 1085 Sensor Technology, Inc., Contract 954387, Monthly Financial Reports, February-August 1976

Fld 1086 Sensor Technology, Inc., Contract 954387, Monthly Progress Report, Nos. 1-7, February-September 1976

Fld 1087 Sensor Technology, Inc., Contract 954387, Fabrication, Test and Delivery of 8 Kilowatts of Solar Power Modules, Final Report, October 15, 1976

Fld 1088 SES, Inc., Contract 694034, Progress of SES, Incorporated in Manufacturing Photovoltaics, Semi-Annual Status Reports, Nos. 1-2, March-October 1980

Fld 1089 SES, Inc., Contract 694034, Letter of Agreement and Correspondence between JPL and SES, Inc., September 26, 1979-February 22, 1980

Fld 1090 Silicon Technology Corporation, Contract 956043, Correspondence, Outgoing to Silicon Technology Corporation, June 30, 1981-October 6, 1981

Fld 1091 Silicon Technology Corporation, Contract 956043, Monthly Technical Progress Reports, September 3, 1981-October 26, 1981

Fld 1092 Silicon Technology Corporation, Contract 956043, Monthly Financial Reports, September 11, 1981-November 3, 1981

Fld 1093 Silicon Technology Corporation, Contract 955131, Correspondence, Outgoing to Silicon Technology Corporation, December 13, 1978-May 28, 1981

Fld 1094 Silicon Technology Corporation, Contract 955131, Correspondence, Incoming from Silicon Technology Corporation, June 21, 1979-July 25, 1979

Fld 1095 Silicon Technology Corporation, Contract 955131, Development of Methods of Producing Large Areas of Silicon Sheets by the Slicing of Silicon Ingots using Inside Diameter Saws, Quarterly Reports, May-June 1979

Fld 1096 Silicon Technology Corporation, Contract 955131, Program Plan, 1979

Fld 1097 Silicon Technology Corporation, Contract 955131, Monthly Contractor Financial Management Reports, January 5, 1979-November 26, 1979

Fld 1098 Siltec Corporation, Contract 604037, Conference Reports, November 16, 1979

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- Fld 1122 Solar Power Corporation, Contract 672594, Jet Propulsion Laboratory Interoffice Memoranda, 1977-1979
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- Fld 1126 Solar Power Corporation, Contract 672594, Large Scale Production Task, Final Report, April 15, 1979
- Fld 1127 Solar Power Corporation, Contract 955403, Correspondence, Incoming from Solar Power Corporation, June 25, 1979-September 10, 1979
- Fld 1128 Solar Power Corporation, Contract, 955403, Correspondence, Outgoing to Solar Power Corporation, June 25, 1979
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- Fld 1134 Solar Power Corporation, Contract 955403, Design, Fabrication, Test Qualifications and Price Analysis for ‘Third Generation’ Design Solar Cell Modules, September 15, 1980
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- Fld 1160 Solarex Corp., Contract 955307, Analysis of the effects of Impurities in Silicon, Final Report, January 19, 1979-January 31, 1980
- Fld 1161 Solarex Corp., Contract 955404, Correspondence, Incoming to Jet Propulsion Laboratory from Solarex, July 18, 1979-April 21, 1981
- Fld 1162 Solarex Corp., Contract 955404, Correspondence, Outgoing to Solarex, May 21, 1979-May 29, 1979
- Fld 1163 Solarex Corp., Contract 955404, Final Design Report, Design Fabrication, Test Qualification, and Price Analysis of Third Generation Design, Solar Cell Modules, Block IV, October 15, 1981
- Fld 1164 Solarex Corp., Contract 955404, Monthly Technical Progress Reports, May 21, 1979-April 10, 1981
- Fld 1165 Solarex Corp., Contract 954854, Correspondence, Outgoing from Jet Propulsion Laboratory to Solarex Corporation, September 18, 1977-February 29, 1980
- Fld 1166 Solarex Corp., Contract 954854, Correspondence, Incoming from Solarex Corporation, December 16, 1977-August 13, 1980
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- Fld 1168 Solarex Corp., Contract 954854, Jet Propulsion Laboratory Interoffice Memoranda re Solarex Corp., September 27, 1978-February 24, 1981
- Fld 1169 Solarex Corp., Contract 954854, Phase 2 of the Array Automated Assembly Task for the Low Cost Silicon Solar Array Project, Final Report, November 1980
- Fld 1170 Solarex Corp., Contract 954854, Monthly Technical Progress Reports, January 1978-October 1979
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- Fld 1172 Solarex Corp., Contract 954854, Interim Report, November 1978

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Fld 1189 Solarex Corp., Contract 954577, Shipping Invoice Records, April-June 1977

Fld 1190 Solarex Corp., Contract 954577, Monthly Status Reports, May-October 1977

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Fld 1193 Solarex Corp., Contract 672596, Correspondence, Outgoing from Jet Propulsion Laboratory
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Fld 1194 Solarex Corp., Contract 672596, Correspondence, Incoming to Jet Propulsion Laboratory, December 1977-August 1978

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Fld 1202 Solarex Corp., Contract 672596, Solar Panel Inspection System Plan, Final, March 22, 1978

Fld 1203 Solarex Corp., Contract 954822, Correspondence, Outgoing to Solarex, 1978-1979

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Fld 1208 Solarex Corp., Contract 954822, Time Phase Cost Summary Schedule, 1977

Fld 1209 Solarex Corp., Contract 954822, High Efficiency, High Density, Terrestrial Panel, Draft Final Report, February 1979

Fld 1210 Solarex Corp., Contract 954822, High Efficiency, High Density, Terrestrial Panel, Final Report, February 1979

Fld 1211 Solarex Corp., Contract 955077, Correspondence, Incoming to Jet Propulsion Laboratory, 1978

Fld 1212 Solarex Corp., Contract 955077, Jet Propulsion Laboratory Interoffice Memoranda, 1978-1980

Fld 1213	Solarex Corp., Contract 955077, Monthly Technical Progress Reports, 1978
Fld 1214	Solarex Corp., Contract 955077, Monthly Financial Management Reports, 1979
Fld 1215	Solarex Corp., Contract 955077, Monthly Financial Management Reports, July-December 1978
Fld 1216	Solarex Corp., Contract 955077, Program Plan, October 1978
Fld 1217	Solarex Corp., Contract 955077, Baseline Financial Report, August 9, 1978
Fld 1218	Solarex Corp., Contract 955077, Quarterly Progress Reports, July-December 1978
Fld 1219	Solarex Corp., Contract 955077, Evaluation of the Technical Feasibility and Effective Cost of Various Wafer Thicknesses for the Manufacture of Solar Cells, Final Report, July 15, 1978-July 15, 1979
Fld 1220	Solarex Corp., Contract 649006, Monthly Status Reports, Nos. 1-6, February-July 1976
Fld 1221	Solarex Corp., Contract 649006, Bar Chart Schedules, March-August 1976
Fld 1222	Solarex Corp., Contract 649006, Final Technical Report, December 10, 1976
Fld 1223	Solarex Corp., Contract 681928, Monthly Status Reports, April-May 1978
Fld 1224	Solarex Corp., Contract 954341, Solarex Solar Module History, April 21, 1976
Fld 1225	Solarex Corp., Contract 954341, Failure and Degradation Analyses, April 21, 1976
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Fld 1234 Solarex Corp., Contract 954606, Solar Breeder, Quarterly Technical Progress Reports, 1977

Fld 1235 Solarex Corp., Contract 954606, Energy Requirement for the Production of Silicon Solar Arrays, Final Report, December 1977

Fld 1236 Solarex Corp., No Contract Number, Interoffice Memorandum Transmitting Two Charts showing Determination of NAP (Nominal Average Power), March-April 1978 (Oversize)

Fld 1237 Solarex Corp., No Contract Number, Chart of Solarex Block III Rating Voltage, August 1978 (Oversize)

Fld 1238 Solarex Corp., No Contract Number, Photocopy of Chart showing Running Average Verification, October 1978 (Oversize)

Fld 1239 SOL/LOS, Inc., Contract 955318, Correspondence, Outgoing to SOL/LOS, Inc., December 30, 1978-January 9, 1980

Fld 1240 SOL/LOS, Inc., Contract 955318, Conference Reports re SOL/LOS, Inc., December 28, 1978-October 8, 1979

Fld 1241 SOL/LOS, Inc., Contract 955318, Jet Propulsion Laboratory Interoffice Memorandum, February 15, 1980

Fld 1242 SOL/LOS, Inc., Contract 955318, Financial Management Report and Technical Progress Reports, Nos. 1-5, February 2, 1979-June 11, 1979

Fld 1243 SOL/LOS, Inc., Contract 955318, Financial Management Report and Technical Progress Reports, Nos. 6-10, August 13, 1979-November 13, 1979

Fld 1244 SOL/LOS, Inc., Contract 955318, Process/Equipment Cost Analysis, September 7, 1979

Fld 1245 SOL/LOS, Inc., Contract 955318, Quarterly Reports, Nos. 1-2, December 15, 1978-June 30, 1979

Fld 1246 SOL/LOS, Inc., Contract 955318, Material, Supply and Process Specifications and Procedures for Metallization of Silicon Solar Cells with Mo/Sn Metallization System, March 1980

Fld 1247 SOL/LOS, Inc., Contract 955318, Automated Array Assembly Task-Program Plan, January 16, 1979

Fld 1248 SOL/LOS, Inc., Contract 955318, Baseline Financial Report, January 16, 1979

Fld 1249 SOL/LOS, Inc., Contract 955318, A New Method of Metallization for Silicon Solar Cells, Final Report, December 1978-September 1979

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Fld 1250 Spectrolab, Contract 955055, Correspondence, Incoming from Spectrolab, December 22, 1978-April 10, 1981

Fld 1251 Spectrolab, Contract 955055, Correspondence, Outgoing to Spectrolab, June 13, 1979-February 9, 1981

Fld 1252 Spectrolab, Contract 955055, Annual Report, August 22, 1978-September 30, 1979

Fld 1253 Spectrolab, Contract 955055, Monthly Reports, Nos. 1-16, September
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Fld 1258 Spectrolab, Contract 955055, Quarterly Reports No. 1-4, August 28, 1978-December 31, 1979

Fld 1259 Spectrolab, Contract 955055, Initial Program Plan for Silicon Cell Process Development, Fabrication and Analysis, January 4, 1979-March 5, 1980

Fld 1260 Spectrolab, Contract 955055, Monthly Contractor Financial Management
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Fld 1264 Spectrolab, Contract 955055, Initial Baseline Cost Estimate for Silicon Solar Cell Process Development, Fabrication and Analysis, January 4, 1979-March 5, 1980

Fld 1265 Spectrolab, Contract 955055, Silicon Solar Cell Process Development, Fabrication and Analysis, Final Report, March 9, 1981

Fld 1266 Spectrolab, Contract 955055, Correspondence, Incoming from Spectrolab, March 11, 1981-November 11, 1981

Fld 1267 Spectrolab, Contract 955725, Correspondence, Outgoing to Spectrolab, June 23, 1980

Fld 1268 Spectrolab, Contract 955725, Interoffice Memoranda re: Spectrolab, November 6, 1980-October 22, 1981

Fld 1269 Spectrolab, Contract 955725, Conference Reports re: Spectrolab, November 13, 1980-March 26, 1981

Fld 1270 Spectrolab, Contract 955725, Monthly Technical Progress Reports and Schedule Reports, August 3, 1980-October 31, 1980

Fld 1271 Spectrolab, Contract 955725, Monthly Technical Progress and Schedule Reports, November 30, 1980-March 31, 1981

Fld 1272 Spectrolab, Contract 955725, Quarterly Technical Progress and Schedule Report, September 28, 1980-December 31, 1980

- Fld 1273 Spectrolab, Contract 955725, Monthly Contractor Financial Management Reports, August 1, 1980-October 30, 1981
- Fld 1274 Spectrolab, Contract 955725, High Resolution, Low-Cost Solar Cell Contact Development, Final Report, n.d.
- Fld 1275 Spectrolab, Contract 955725, High Resolution, Low Cost Solar Cell Contact Development, Final Report, November 1981

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- Fld 1277 Spectrolab, Contract 954853, Conference Reports, 1978
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- Fld 1286 Spectrolab, Contract 954853, Monthly Financial Reports, January-December 1978
- Fld 1287 Spectrolab, Contract 954853, Monthly Financial Management Reports and Monthly Status and Cost Reports, January-December 1979
- Fld 1288 Spectrolab, Contract 954853, Monthly Financial Management Reports and Monthly Status and Cost Reports, January-October 1980
- Fld 1289 Spectrolab, Contract 954853, Baseline Cost Estimate, 1977
- Fld 1290 Spectrolab, Contract 954853, Process Development Plans, 1977
- Fld 1291 Spectrolab, Contract 954853, Process Development Plans, 1979
- Fld 1292 Spectrolab, Contract 954853, Quarterly Technical Progress Reports, 1977-1978

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- Fld 1294 Spectrolab, Contract 954853, Quarterly Technical Progress Report, March 1980

- Fld 1295 Spectrolab, Contract 954853, Final Report on the Investigation of the Proposed Process Sequence for the Array Automated Assembly Task, 1977-1980
- Fld 1296 Spectrolab, Contract 954587, Procurement Requisitions and Contract Documents and Reports, June 1976-May 1979
- Fld 1297 Spectrolab, Contract 954587, Inspection System Plan Report, July 1977
- Fld 1298 Spectrolab, Contract 689047, Correspondence, Outgoing to Spectrolab, July 18, 1979
- Fld 1299 Spire Corporation, Contract 956103, Correspondence, Outgoing to Spire Corporation, August 17, 1981
- Fld 1300 Spire Corporation, Contract 956103, Correspondence, Incoming from Spire Corporation, October 16, 1981-December 23, 1981
- Fld 1301 Spire Corporation, Contract 956103, Design of Block V Solar Cell Modules, Monthly Technical Progress Reports, Nos. 1-3, October 15, 1981-December 22, 1981

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- Fld 1302 Spire Corporation, Contract 955405, Correspondence, Outgoing from Jet Propulsion Laboratory, 1979
- Fld 1303 Spire Corporation, Contract 955405, Correspondence, Incoming from Spire, 1980
- Fld 1304 Spire Corporation, Contract 955405, Monthly Technical Progress Reports, Nos. 1-7, 1979
- Fld 1305 Spire Corporation, Contract 955405, Monthly Technical Progress Reports, Nos. 8-14, 1980
- Fld 1306 Spire Corporation, Contract 955405, SAMIS Price Report, Design, Fabrication, Test Qualification and Price Analysis of Third Generation Design Solar Cell Modules, 1980

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- Fld 1307 Spire Corporation, Contract 955405, Final Design Report, September 1980
- Fld 1308 Spire Corporation, Contract 956352, An Initial Baseline Cost Estimate for Hermetic Edge Sealing of Photovoltaic Modules, November 1982
- Fld 1309 Spire Corporation, Contract 956352, Production Process and Equipment Area, Monthly Financial Report, November 30, 1982-December 31, 1982
- Fld 1310 Spire Corporation, Contract 956056, Correspondence, Outgoing to Spire Corporation, July 6, 1981
- Fld 1311 Spire Corporation, Contract 754191, Correspondence, Outgoing to Spire Corporation, December 13, 1982
- Fld 1312 Springborn Laboratories, Inc., Contract 955553, Initial Program Plan, October 22, 1979

Fld 1313 SUNY/Albany, Contract 956989, Process-Induced Defects in Silicon, Report, n.d.

Fld 1314 SUNY/Albany, Contract 956989, Annual Report, Oxygen- and Carbon-Related Defects in Silicon, n.d.

Fld 1315 T & E Enterprises, Inc., Contract 713135, Residential Photovoltaic Applications, Final Report, May 1980

Fld 1316 Texas Instruments, Inc., Contract 954405, Correspondence, Incoming from Texas Instruments, 1976-1977.

Fld 1317 Texas Instruments, Inc., Contract 954405, Jet Propulsion Laboratory Interoffice Memoranda, 1976-1978

Fld 1318 Texas Instruments, Inc., Contract 954405, Initial Baseline Financial Report, February 13, 1976

Fld 1319 Texas Instruments, Inc., Contract 954405, Program Plan, February 27, 1976

Fld 1320 Texas Instruments, Inc., Contract 954405, Automated Array Assembly Task, Annual Report, March 1977

Fld 1321 Texas Instruments, Inc., Contract 954405, Monthly Technical Reports, Nos. 1-8, 1976

Fld 1322 Texas Instruments, Inc., Contract 954405, Monthly Technical Reports, Nos. 9-10, 1977

Fld 1323 Texas Instruments, Inc., Contract 954405, Monthly Financial Management Reports, 1976

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Fld 1324 Texas Instruments, Inc., Contract 954405, Monthly Contractor Financial Management Reports, January-December 1977

Fld 1325 Texas Instruments, Inc., Contract 954405, Quarterly Reports, Nos. 1-3, 1976

Fld 1326 Texas Instruments, Inc., Contract 954405, Quarterly Reports, 1977

Fld 1327 Texas Instruments, Inc., Contract 954405, Automated Array Assembly Task, Phase I, Final Report, October 1977

Fld 1328 Texas Instruments, Inc., Contract 954412, Jet Propulsion Laboratory Interoffice Memoranda, 1976-1977

Fld 1329 Texas Instruments, Inc., Contract 954412, Program Plan, February 13, 1976

Fld 1330 Texas Instruments, Inc., Contract 954412, Monthly Technical Progress Reports, Nos. 1-11, February-December 1976

Fld 1331 Texas Instruments, Inc., Contract 954412, Monthly Contractor Financial Management Reports, February-December 1976

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- Fld 1332 Texas Instruments, Inc., Contract 954412, Monthly Financial Management Reports, January-March 1977
- Fld 1333 Texas Instruments, Inc., Contract 954412, Quarterly Technical Progress Reports, Nos. 1-3, 1976
- Fld 1334 Texas Instruments, Inc., Contract 954412, Silicon Material Task, Part III, Low-Cost Silicon Solar Array Project, Final Report, January 1977
- Fld 1335 Texas Instruments, Inc., Contract 954475, Monthly Financial Reports, April-December 1976
- Fld 1336 Texas Instruments, Inc., Contract 954475, Baseline Cost Estimate, April 15, 1976
- Fld 1337 Texas Instruments, Inc., Contract 954475, Program Plan, April 20, 1976
- Fld 1338 Texas Instruments, Inc., Contract 954475, Quarterly Technical Progress Reports, Nos. 1-3, June-December 1976
- Fld 1339 Texas Instruments, Inc., Contract 954887, Correspondence, Incoming to Jet Propulsion Laboratory, December 1977-April 1979
- Fld 1340 Texas Instruments, Inc., Contract 954887, Jet Propulsion Laboratory Interoffice Memoranda, October 1977-April 1979
- Fld 1341 Texas Instruments, Inc., Contract 954887, Initial Baseline Cost Estimate, December 10, 1977
- Fld 1342 Texas Instruments, Inc., Contract 954887, Program Plan, November 7, 1977
- Fld 1343 Texas Instruments, Inc., Contract 954887, LSSA Large Area Silicon Sheet Task Continuous Czochralski Process Development, Annual Report, October 1977-September 1978
- Fld 1344 Texas Instruments, Inc., Contract 954887, Monthly Technical Progress Reports, Nos. 3-11, January-February, April-May, July-August, October-December 1978
- Fld 1345 Texas Instruments, Inc., Contract 954887, Monthly Technical Progress Reports, Nos. 1-2, October-November 1977
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- Fld 1348 Texas Instruments, Inc., Contract 954887, Monthly Financial Reports, January-March 1979
- Fld 1349 Texas Instruments, Inc., Contract 954887, Quarterly Technical Progress Reports, Nos. 1-3, October 1977-June 1978

Fld 1350 Texas Instruments, Inc., Contract 954887, LSA Large Area Silicon Sheet Task Continuous Czochralski Process Development, Final Report, February 1979

Fld 1351 Texas Instruments, Inc., Contract 955006, Correspondence, Incoming to Jet Propulsion Laboratory, August-November 1978

Fld 1352 Texas Instruments, Inc., Contract 955006, Jet Propulsion Laboratory Interoffice Memoranda, August-September 1978

Fld 1353 Texas Instruments, Inc., Contract 955006, Interim Report, Handwritten Note, February 20, 1979

Fld 1354 Texas Instruments, Inc., Contract 955006, Monthly Technical Progress Report, October 1978

Fld 1355 Texas Instruments, Inc., Contract 955006, Interim Summary Report, August-December 1978

Fld 1356 Texas Instruments, Inc., Contract 955006, Monthly Financial Reports, September-November 1978

Fld 1357 Texas Instruments, Inc., Contract 955006, Baseline Cost Estimate, September 29, 1978

Fld 1358 Texas Instruments, Inc., Contract 955006, Program Plan, October 19, 1978

Fld 1359 Texas Instruments, Inc., Contract 955006, Quarterly Report, No. 1, August-September 1978

Fld 1360 Texas Instruments, Inc., Contract 954881, Baseline Cost Estimate, October 4, 1977

Fld 1361 Texas Instruments, Inc., Contract 954881, Correspondence, Incoming to Jet Propulsion Laboratory, November 1977-August 1979

Fld 1362 Texas Instruments, Inc., Contract 954881, Jet Propulsion Laboratory Interoffice memoranda, November 1977-January 1980

Fld 1363 Texas Instruments, Inc., Contract 954881, Conference Reports, January 1978-February 1979

Fld 1364 Texas Instruments, Inc., Contract 954881, Annual Technical Progress Report, 1978

Fld 1365 Texas Instruments, Inc., Contract 954881, Monthly Technical Progress Reports, Nos. 1-2, October-November 1977

Fld 1366 Texas Instruments, Inc., Contract 954881, Monthly Technical Progress Reports, Nos. 3-7, January-July 1978

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Fld 1371 Texas Instruments, Inc., Contract 954881, Monthly Financial Reports, January-May 1979

Fld 1372 Texas Instruments, Inc., Contract 954881, Monthly Financial Reports, January-July 1979

Fld 1373 Texas Instruments, Inc., Contract 954881, Quarterly Technical Progress Reports, Nos. 1-3, October 1977-June 1978

Fld 1374 Texas Instruments, Inc., Contract 954881, Quarterly Technical Progress Reports, Nos. 4-5, January-June 1979

Fld 1375 Texas Instruments, Inc., Contract 954881, Final Technical Progress Reports, 1978-1979

Fld 1376 Texas Instruments, Inc., Contract 954475, Correspondence, Incoming to Jet Propulsion Laboratory, October 1977

Fld 1377 Texas Instruments, Inc., Contract 954475, Jet Propulsion Laboratory Interoffice Memoranda, December 1976-August 1977

Fld 1378 Texas Instruments, Inc., Contract 954475, Monthly Financial Reports, January-June 1977

Fld 1379 Texas Instruments, Inc., Contract 954475, Monthly Technical Progress Reports, Nos. 1-6, April-November 1976

Fld 1380 Texas Instruments, Inc., Contract 954475, Monthly Technical Progress Reports, Nos. 7-8, January-February 1977

Fld 1381 Texas Instruments, Inc., Contract 954475, Large Area Czochralski Silicon, Final Report, April 1977

Fld 1382 Texas Instruments, Inc., Contract 954475, Final Report (missing), November 11, 1977

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Fld 1383 Texas Research and Engineering Institute, Inc., Contract 956045, Correspondence, Outgoing to Texas Research and Engineering, Inc., May 18-June 22, 1981

Fld 1384 Texas Research and Engineering Institute, Inc., Contract 956045, Correspondence, Incoming from Texas Research and Engineering, June 12, 1981-June 8, 1982

Fld 1385 Texas Research and Engineering Institute, Inc., Contract 956045, Monthly Technical Progress Reports, Nos. 1-6, June 1981-January 1982

Fld 1386 Texas Research and Engineering Institute, Inc., Contract 956045, Monthly Technical Progress Reports, Nos. 8-9, April-June 1982

- Fld 1387 Texas Research and Engineering Institute, Inc., Contract 956045, Silicon Production Process Evaluations, Quarterly Technical Progress Reports, Nos. 1-4, August 1982-May 1982
- Fld 1388 Texas Research and Engineering Institute, Inc., Contract 956045, Financial Reports, May 18, 1981-August 5, 1982
- Fld 1389 Theodore Barry & Associates, Contract 955123, Correspondence, Outgoing to Theodore Barry & Associates, May 30-August 28, 1978
- Fld 1390 Theodore Barry & Associates, Contract 955123, Jet Propulsion Laboratory Interoffice Memoranda, October 12, 1978-July 16, 1979
- Fld 1391 Theodore Barry & Associates, Contract 955123, SAMICS Validation: SAMICS Support Study, Phase III, Final Report, March 1979
- Fld 1392 Theodore Barry & Associates, Contract 955161, Correspondence, Outgoing to Theodore Barry & Associates, July 18, 1979
- Fld 1393 Theodore Barry & Associates, Contract 955161, Correspondence, Outgoing to Theodore Barry & Associates, July 17-August 28, 1978
- Fld 1394 Theodore Barry & Associates, Contract 955161, Lifetime Cost and Performance Model Support Study, Final Report, September 1978
- Fld 1395 Theodore Barry & Associates, Contract 954800, A Critical Review of the Solar Array Manufacturing Industry Costing Standards, July 1977
- BOX 87**
- Fld 1396 Theodore Barry & Associates, Contract 954800, SAMICS Support Study, Final Report, Vol. 1, Cost Account Catalog, September 1977
- Fld 1397 Theodore Barry & Associates, Contract 954800, SAMICS Support Study, Final Report, Vol. 2, Submodel Analyses, September 1977
- Fld 1398 Theodore Barry & Associates, Contract 954800, SAMICS Final Report, Vol. 3, Conceptual Plant Designs, September 1977
- Fld 1399 Theodore Barry & Associates, Contract 954909, SAMICS Cost Account Catalog, April 1978
- Fld 1400 Theodore Barry & Associates, Contract 954909, SAMICS Marketing & Distribution Model, April 1978
- Fld 1401 Theodore Barry & Associates, Contract 954909, SAMICS Cost Account Catalog, April 1978 (Oversize)
- Fld 1402 Tyco Laboratories, Inc., Thick Film Silicon Growth Techniques, Final Report, February 18, 1972-August 3, 1974

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- Fld 1403 Tylan Corporation, Contract 954896, Conference Report, December 14, 1977-December 4, 1978
- Fld 1404 Tylan Corporation, Contract 954896, Monthly Technical Progress Reports, Nos. 1-4, January-April 1978
- Fld 1405 Tylan Corporation, Contract 954896, Monthly Technical Progress Reports, Nos. 5-7, May-July 1978
- Fld 1406 Tylan Corporation, Contract 954896, Vitre-Graf Coating on Mullite, Final Report, December 14, 1977-June 13, 1979
- Fld 1407 Union Carbide Corporation, Contract 955016, Correspondence, Outgoing to Union Carbide Corporation, November 10, 1978
- Fld 1408 University of Arizona, Contract 953461, Inversion Layer Solar Cell Fabrication and Evaluation, September 1973
- Fld 1409 University of California Los Angeles, Contract 954836, Delayed Fracture of Silicon, Silicon Sheet Growth Development, Final Report, March 31, 1978
- Fld 1410 University of California Los Angeles, Contract 954851, Correspondence, Outgoing to the Regents of the University of California, December 13, 1977-March 26, 1980
- Fld 1411 University of California Los Angeles, Contract 954851, Correspondence, Incoming from University of California, Los Angeles, November 28, 1977-January 18, 1978
- Fld 1412 University of California Los Angeles, Contract 954851, X-ray Measurements of Stresses and Defects in EFG and Large Grained Polycrystalline Silicon Ribbons, Final Report, August 1979
- Fld 1413 University of California Los Angeles, Contract 954902, Correspondence, Outgoing to University of California Los Angeles, October 6, 1977-February 20, 1979
- Fld 1414 University of California Los Angeles, Contract 954902, First-Fifth
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Fld 1417 Quarterly Reports, October 1977-August 1979
- Fld 1418 University of California Los Angeles, Contract 954902, Silicon Solar Cell Fabrication Technology, Final Report, October 1977-March 1980

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- Fld 1419 University of Delaware, Contract 952666, Research Study of the Photovoltaic Effect in Cadmium Sulphide, Final Report, October 28, 1970
- Fld 1420 University of Kentucky, Contract 956571, Elastic Buckling Model, June-November 1983

Fld 1421 to Fld 1424	University of Kentucky, Contract 956571, Monthly Progress Reports, July 1983-June 1986
Fld 1425	University of Kentucky, Contract 956571, Visco-Plastic Stress-Strain Model, Report, November 23, 1983-April 22, 1984
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Fld 1430	University of Missouri-Rolla, Contract 955415, Baseline Cost Estimate, Revised, December 1979
Fld 1431	University of Missouri-Rolla, Contract 955415, Quarterly Report, December 11, 1979
Fld 1432	University of Missouri-Rolla, Contract 955415, Monthly Financial Reports, June 1, 1979- April 30, 1980
Fld 1433	University of Missouri-Rolla, Contract 955415, Correspondence, Outgoing from Jet Propulsion Laboratory, May 3, 1979-July 17, 1980
Fld 1434	University of Missouri-Rolla, Contract 955415, Effects of Varying Oxygen Partial Pressure on Molten Silicon-Ceramic Substrate Interactions, Final Report, April 1980
Fld 1435	University of Pennsylvania, Contract 954506, Monthly Reports, June 8, 1976-June 29, 1977
Fld 1436	University of Pennsylvania, Contract 954506, Financial Management Reports, May 13, 1976- December 31, 1976
Fld 1437	University of Pennsylvania, Contract 954506, Financial Management Reports, January 3, 1977-August 31, 1977
Fld 1438	University of Pennsylvania, Baseline Financial Reports, May 19, 1976-February 10, 1977
Fld 1439	University of Pennsylvania, Contract 954506, Performance Schedule, May 19, 1976

- Fld 1440 University of Pennsylvania, Contract 954506, Correspondence, Incoming from University of Pennsylvania and Outgoing to University of Pennsylvania, January 13, 1977-April 22, 1977
- Fld 1441 University of Pennsylvania, Contract 954506, Quarterly Reports, June 25, 1976-January 11, 1977
- Fld 1442 University of Pennsylvania, Contract 954506, Quarterly Reports, April 21, 1977-July 26, 1977
- Fld 1443 University of Pennsylvania, Contract 954506, Hot Forming of Silicon Sheet, Silicon Sheet Growth Development for the Large Area Silicon Sheet Task of the LSSA, Final Report, April 14, 1978

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- Fld 1444 University of Pennsylvania, Contract 954796, Correspondence, Outgoing to University of Pennsylvania, June 29, 1979-October 6, 1981
- Fld 1445 University of Pennsylvania, Contract 954796, Correspondence, Incoming from University of Pennsylvania, August 12, 1977
- Fld 1446 University of Pennsylvania, Contract 954796, Conference Reports, February 17, 1978-August 4, 1980
- Fld 1447 University of Pennsylvania, Contract 954796, Jet Propulsion Laboratory Interoffice Memoranda, April 28, 1978-January 23, 1980
- Fld 1448 University of Pennsylvania, Contract 954796, Annual Report, October 1978-October 1979
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- Fld 1462 University of Pennsylvania, Contract 954796, Monthly Financial Reports, July-December 1977
- Fld 1463 University of Pennsylvania, Contract 954796, Analysis and Evaluation in the Production Process and Equipment Area of the Low-Cost Solar Array Project, Final Report, April 1981
- Fld 1464 University of Pennsylvania, Contract 956290, Development and Analysis of Silicon Solar Cells Near 20% Efficiency, Final Report, October 22, 1986

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- Fld 1465 University of South Carolina, Contract 954344, Quarterly Reports, December 12, 1975-June 30, 1977
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- Fld 1469 University of South Carolina, Contract 954344, Monthly Financial Reports, December 4, 1975-January 2, 1977
- Fld 1470 University of South Carolina, Contract 954344, Monthly Financial Reports, February 9, 1977-August 17, 1977
- Fld 1471 University of South Carolina, Contract 954344, Program Plan, October 1, 1975-May 1, 1977
- Fld 1472 University of South Carolina, Contract 954344, Correspondence, Outgoing from Jet Propulsion Laboratory, March 24, 1977-October 19, 1978
- Fld 1473 University of South Carolina, Contract 954344, Annual Report, September 31, [sic] 1976

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- Fld 1474 University of South Carolina, Contract 954344, Web-Dendritic Growth, Final Report, October 1975-August 1977
- Fld 1475 University of South Carolina, Contract 954344, Manual for Operation of Web Furnace for Pulling Web-Dendrite Ribbons, Final Modification, August 16, 1977
- Fld 1476 Varian Associates, Contract 954884, Baseline Cost Estimate, January 1978
- Fld 1477 Varian Associates, Contract 954884, Monthly Financial Management
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- Fld 1480 Varian Associates, Contract 954844, Correspondence, Outgoing from Varian Associates, 1977
- Fld 1481 Varian Associates, Contract 954884, Jet Propulsion Laboratory Interoffice Memoranda, 1977-1979
- Fld 1482 Varian Associates, Contract 954884, Monthly Technical Progress Reports, Nos. 1-2, 1977
- Fld 1483 Varian Associates, Contract 954884, Monthly Technical Progress Reports, Nos. 3-8, 1978
- Fld 1484 Varian Associates, Contract 954884, Quarterly Progress Reports, Nos. 1-3, 1977-1978
- Fld 1485 Varian Associates, Contract 954374, Quarterly Technical Progress Reports, Nos. 1-3, January-December 1976

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Fld 1489 Varian Associates, Contract 954374, Initial Baseline Cost Estimate, January 1976

Fld 1490 Varian Associates, Contract 954374, Program Plan, January 1976, and Program Plan, Phase II, June 1977

Fld 1491 Varian Associates, Contract 954374, Monthly Financial Management Reports, Nos. 1-12, February 1976-January 1977

Fld 1492 Varian Associates, Contract 954374, Monthly Financial Management Reports, Nos. 13-23, February 1977-January 1978

Fld 1493 Varian Associates, Contract 954374, Monthly Financial Management Reports, Nos. 24-25, 27, 29-35, February 1978-January 1979

Fld 1494 Varian Associates, Contract 954374, Monthly Financial Management Reports, Nos. 36-43, February-August 1979

Fld 1495 Varian Associates, Contract 954374, Monthly Technical Progress Reports, Nos. 1-8, January-November 1976

Fld 1496 Varian Associates, Contract 954374, Monthly Technical Progress Reports, Nos. 9-16, February-December 1977

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Fld 1497 Varian Associates, Contract 954374, Monthly Technical Progress Reports, Nos. 17-21 and 24, January-August and December 1978

Fld 1498 Varian Associates, Contract 954374, Monthly Technical Progress Reports, Nos. 25-27, February-May 1979

Fld 1499 Varian Associates, Contract 954374, First Annual Report, September 1976

Fld 1500 Varian Associates, Contract 954374, Correspondence, Incoming to Jet Propulsion Laboratory, January-March 1977

Fld 1501 Varian Associates, Contract 954374, Correspondence, Jet Propulsion Laboratory Interoffice Memoranda, September 1976-April 1978

Fld 1502 Varian Associates, Contract 954374, Conference Report, March 1978

- Fld 1503 Varian Associates, Contract 954374, Slicing of Silicon Into Sheet Material: Silicon Sheet Growth Development for the Large Area Silicon Sheet Task of the Low Cost Solar Array Project, Final Report, September 21, 1979
- Fld 1504 Westinghouse, Contract 954654, Correspondence, Outgoing to Westinghouse Electric Corporation, November 30, 1977-April 28, 1978
- Fld 1505 Westinghouse, Contract 954654, Correspondence, Incoming from Westinghouse, July 20, 1977-December 4, 1980
- Fld 1506 Westinghouse, Contract 954654, Monthly Technical Progress Reports, Nos. 1-5, April 20, 1977-November 30, 1977
- Fld 1507 Westinghouse, Contract 954654, Monthly Technical Progress Reports, Nos. 6-11, January 1, 1978-August 31, 1978

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- Fld 1508 Westinghouse, Contract 954654, Monthly Technical Progress Reports,
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- Fld 1511 Westinghouse, Contract 954654, Monthly Contractor Financial
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- Fld 1515 Westinghouse, Contract 954654, Initial Baseline Cost Estimate, n.d.
- Fld 1516 Westinghouse, Contract 954654, Program Plans, December 1977-September 20, 1978
- Fld 1517 Westinghouse, Contract 954654, Quarterly Reports, Nos. 1-3, April 20, 1977-December 31, 1977

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- Fld 1518 Westinghouse, Contract 954654, Quarterly Reports, April 20, 1978-December 31, 1978
- Fld 1519 Westinghouse, Contract 954654, Quarterly Reports, April 20, 1979-September 30, 1979
- Fld 1520 Westinghouse, Contract 954654, Quarterly Reports, October 1, 1979-June 1980
- Fld 1521 Westinghouse, Contract 954654, Annual Report, April 20, 1977-April 19, 1978
- Fld 1522 Westinghouse, Contract 954654, Annual Report, April 1978-April 1979
- Fld 1523 Westinghouse, Contract 954654, Annual Report, April 1979-April 1980
- Fld 1524 Westinghouse, Contract 954654, Silicon Web Process Development, Final Report, October 1981

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- Fld 1525 Westinghouse, Contract 954331, Correspondence, Outgoing to Westinghouse, December 14, 1976-January 27, 1982
- Fld 1526 Westinghouse, Contract 954331, Correspondence, Incoming from Westinghouse, May 23, 1977-July 27, 1981
- Fld 1527 Westinghouse, Contract 954331, Conference Report, May 30, 1980
- Fld 1528 Westinghouse, Contract 954331, Jet Propulsion Laboratory Interoffice Memoranda, February 17, 1977-June 23, 1977
- Fld 1529 Westinghouse, Contract 954331, Monthly Technical Progress Reports,
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Fld 1537 Nos. 1-43, November 1976-May 1979

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- Fld 1538 Westinghouse, Contract 954331, Monthly Technical Progress Reports,
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- Fld 1543 Westinghouse, Contract 954331, Quarterly Reports, Nos. 1-9, October
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- Fld 1548 Westinghouse, Contract 954331, Quarterly Reports, Nos. 10-22, January
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- Fld 1557 Westinghouse, Contract 954331, Program Plan, October 17, 1975
- Fld 1558 Westinghouse, Contract 954331, Addendum to Program Plan, December 16, 1975
- Fld 1559 Westinghouse, Contract 954331, Phase II, Program Plan, May 1977
- Fld 1560 Westinghouse, Contract 954331, Phase III, Program Plan, June 1978
- Fld 1561 Westinghouse, Contract 954331, Phase IV, Program Plan, October 1980
- Fld 1562 Westinghouse, Contract 954331, Monthly Financial Management Reports,
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- Fld 1568 Westinghouse, Contract 954331, Baseline Spending Plans, July 5, 1977-October 1980

Fld 1569 Westinghouse, Contract 954331, Effect of Impurities and Processing on Silicon Solar Cells, Final Report, February 1982

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Fld 1571 Westinghouse, Contract 955624, Conference Reports re Westinghouse, June 25, 1980-May 4, 1981

Fld 1572 Westinghouse, Contract 955624, Jet Propulsion Laboratory Interoffice Memoranda re Westinghouse, September 10, 1980-December 1, 1981

Fld 1573 Westinghouse, Contract 955624, Baseline Cost, March 28, 1980-May 31, 1981

Fld 1574 Westinghouse, Contract 955624, Monthly Technical Progress Reports, Nos. 1-5, May 16, 1980-September 29, 1980

Fld 1575 Westinghouse, Contract 955624, Monthly Technical Progress Reports, March 25, 1981-May 15, 1981

Fld 1576 Westinghouse, Contract 955624, Quarterly Reports, Nos. 1-2, March 28, 1980-November 17, 1980

Fld 1577 Westinghouse, Contract 955624, Monthly Contractor Financial Management Reports, April 27, 1980-December 31, 1980

Fld 1578 Westinghouse, Contract 955624, Monthly Contractor Financial Management Reports, February 1, 1981-August 31, 1981

Fld 1579 Westinghouse, Contract 955624, Silicon Dendritic Web Material Process Development, Final Report, March 1982

Fld 1580 Westinghouse, Contract 956786, Quarterly Progress Reports, Nos. 1-3, April-December 1984

Fld 1581 Westinghouse, Contract 956786, Quarterly Progress Reports, Nos. 4-5, January-June 1985

Fld 1582 Westinghouse, Contract 956786, Development of High-Efficiency Solar Cells on Silicon Web, Quarterly Progress Reports, Nos. 7-8, October 1985-March 1986

Fld 1583 Westinghouse, Contract 955843, Correspondence, Incoming from Westinghouse, April 28, 1980-September 30, 1983

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Fld 1588 Westinghouse, Contract 955843, Quarterly Progress Report, October-December 1983

Fld 1589 Westinghouse, Contract 955843, Monthly Technical Progress Reports, Nos. 12-16, April-October 1982

Fld 1590 Westinghouse, Contract 955843, Monthly Technical Progress Reports, Nos. 20-28, April 1983-March 1984

Fld 1591 Westinghouse, Contract 955843, Monthly Technical Progress Report, No. 30, May 1984

Fld 1592 Westinghouse, Contract 955843, Annual Reports, October 1980-
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Fld 1594 October 1983

Fld 1595 Westinghouse, Contract 955843, Advanced Dendritic Web Growth Development, Final Report, October 1980-1985

Fld 1596 Westinghouse, Contract 954873, Phase 2 of the Array Automated Assembly Task for the Low Cost Solar Array Project, Final Report, October 1, 1978-October 30, 1979

Fld 1597 Westinghouse, Contract 955909, Cost Analysis of 1 MW/YR and 25 MW/YR Solar Module Production Facilities, Topical Report, March 1, 1983

Fld 1598 Wyle Laboratories, Contract 955853, Correspondence, Outgoing to Wyle Laboratories, August 19, 1980-February 1, 1983

Fld 1599 Wyle Laboratories, Contract 955853, Contract Work Order Progress Report, November 30, 1980-February 1981

Fld 1600 Wyle Laboratories, Contract 955853, Preliminary Draft of Corrosion and Outdoor Effects on Photovoltaic Modules and additional Test Procedure to Interim Performance Criteria, December 11, 1980

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Fld 60 Applied Solar Energy Corp., Contract 955409, SAMICS Cost Study, Block IV Modules, Volume 1, May 1979-August 1980 (Oversize)

Fld 78 ARCO Solar, Inc., Contract 672595, Three Engineering Drawings for Module Assembly, Laminate Assembly, Frame for 10699 JPL Module, February-March 1978 (Oversize)

Fld 110 ARCO Solar, Inc., No Contract Number, Photocopies of two Engineering Drawings showing ASI-18-1200 Laminate Assembly and Module Assembly, February-October 1978 (Oversize)

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Fld 112 ARCO Solar, Inc., No Contract Number, Photocopies of two Engineering Drawings, Protective Edge Channel, Laminate Assembly, February-September 1978 (Oversize)

Fld 113 ARCO Solar, Inc., No Contract Number, Seven Engineering Drawings showing 3" Diameter Cells Silver Contacts, Laminate Assembly, PVB Punch, ASI-18-1200 Module Assembly,

Interface Control Drawing, 46" Frame for 10699 JPL Module, Interconnect 3" Diameter Cells, 1977-1978
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- Fld 114 ARCO Solar, Inc., No Contract Number, Photocopy of Chart showing Determination of NAP (Nominal Average Power), May 1978 (Oversize)
- Fld 115 ARCO Solar, Inc., No Contract Number, Photocopy of Chart showing Running Average Verification, November 1978 (Oversize)
- Fld 682 Motorola, Inc., Contract 672592, Photocopy of Engineering Drawing showing Sub-Array Assembly-Dimensions & Tolerance, August 1976
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- Fld 797 Motorola, Inc., No Contract Number, Photocopies of two Engineering Drawings showing Module Mount Dimensions and Interconnect assembly, November 1977-September 1978
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- Fld 1012 Sensor Technology, Inc., Contract 954565, Sixteen Engineering Drawings showing Flange Washer, Ribbon Wire, Cell, Clad Sheet, ... Boot, August 1976-August 1977 (Oversize)
- Fld 1013 Sensor Technology, Inc., Contract 954565, Photocopies of Two Contract Cost Report Charts, November-December 1977 (Oversize)
- Fld 1125 Solar Power Corporation, Contract BF672594, Engineering Drawing of Module Base, July 19, 1976 (Oversize)
- Fld 1136 Solar Power Corporation, No Contract Number, Interoffice Memorandum transmitting Verification of Contractor Measurements, June 1978 (Oversize)
- Fld 1137 Solar Power Corporation, Engineering Drawing showing Solar Cell 100 MM Redundant Contact, July 1977 (Oversize)
- Fld 1138 Solar Power Corporation, No Contract Number, Photocopy of Chart showing Module Running Average Verification, November 1978 (Oversize)
- Fld 1139 Solar Power Corporation, No Contract Number, Three-page Chart Comparing Voltages of Production Samples, June-November 1978
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- Fld 1140 Solar Power Corporation, No Contract Number, Three-page Chart comparing Voltages of OPS Tested Modules, June-August 1978 (Oversize)
- Fld 1141 Solar Power Corporation, No Contract Number, Memorandum transmitting Verification of Contractor Measurements, and JPL Reference Cell Requirements, May-June 1978 (Oversize)
- Fld 1142 Solar Power Corporation, No Contract Number, Six Solar Cell Module, Interconnect and Assembly Engineering Drawings, 1976-1977 (Oversize)
- Fld 1143 Solar Power Corporation, No Contract Number, Nine Solar Cell Module Interconnect and Assembly Engineering Drawings, 1976-1977, and One Parts List, August 1976 (Oversize)

Fld 1144	Solar Power Corporation, No Contract Number, Process Flow Diagram, Revised, March 9, 1978 (Oversize)
Fld 1192	Solarex Corp., Contract 954577, Three Engineering Drawings of Assembly Main Frame, Assembly Cell Plan, 130 Kilowatts Sub-Array Module Interface, October-December 1976 (Oversize)
Fld 1236	Solarex Corp., No Contract Number, Interoffice Memorandum transmitting two Charts of Determination of NAP (Nominal Average Power), March-April 1978 (Oversize)
Fld 1237	Solarex Corp., No Contract Number, Chart of Solarex Block III Rating Voltage, August 1978 (Oversize)
Fld 1238	Solarex Corp., No Contract Number, Photocopy of Chart showing Running Average Verification, October 1978 (Oversize)
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CATALOG DESCRIPTION

Low-Cost Silicon Solar Array Subcontractor Document Collection, 1969-1987 (Bulk: 1975-1982).

31.8 cubic ft. in 1600 folders (some oversize).

The records in this collection document the Research and Development work performed on the Low-Cost Solar Silicon Array Project (LSSA) by subcontractors to the Jet Propulsion Laboratory (JPL). The LSSA Project was part of a larger Federal government initiative called the National Photovoltaics Program. That program was commenced at the urging of the Federal government by the National Science Foundation (NSF), the U.S. Department of Energy (DOE), and DOE's predecessor, the Energy Research and Development Administration (ERDA). NSF, DOE, and ERDA provided the funding. The object was to explore the development, and manufacture of low-cost solar energy cells that could provide solar energy as a competitively priced alternative energy source to fossil fuels. The National Photovoltaics Program's Research and Development endeavor was divided into many segments. The segment with which the Jet Propulsion Laboratory was tasked involved responsibility for developing the low-cost single-crystal silicon element. Subcontractors, many of who used Jet Propulsion Laboratory facilities, and were overseen by JPL, performed most of this R&D work. Responsible individuals at the Jet Propulsion Laboratory were Dr. Marshall E. Alper, Dr. Ralph Lutwack, and John Goldsmith.

The focus of the Project was modified several times over its life span, 1975-1986, which resulted in its name being changed from Low-Cost Silicon Solar Array, to Low-Cost Solar Array, and finally, Flat-Plate Solar Array.

The LSSA Project resulted in several large solar energy installations, one in Hesperia, California, serving Southern California Edison, and another in Carissa Plains, California, serving Pacific Gas and Electric Company. Changes in the economy and world situation, however, caused prices for fossil fuels to fall in the 1980's and 1990's, preventing the LSSA program from reaching its imagined potential as the impetus for large scale private sector development of solar energy as an alternative source of energy.

The LSSA Project was phased out in 1986.

This collection contains the JPL subcontractor documentation, namely, baseline cost estimates, correspondence, conference reports, monthly technical progress reports, monthly financial reports, quarterly reports, and final reports. There are also some charts and engineering drawings included. Approximately thirty-one of the documents are oversized, all of which are located in Box 105. A list entitled

“Subcontractors, Contract Numbers, and File Folder Numbers in Relation to Project Goals” is located in the Appendix to the Register.

Tracings

Alper, Marshall E.

Lutwack, Ralph.

Goldsmith, John.

Low-Cost Solar Array Project

Flat-Plate Solar Array Project

Jet Propulsion Laboratory (U.S.) Low-Cost Silicon Solar Array Project.

Jet Propulsion Laboratory (U.S.) Low-Cost Solar Array Project.

Jet Propulsion Laboratory (U.S.) Flat-Plate Solar Array Project.

National Photovoltaics Program.

National Science Foundation.

Energy development--United States--Research.

Solar energy--United States--Research.

Silicon crystals--Research.

Photovoltaic power generation--United States--Passive systems--Research.

Research and development contracts, Government--United States.

SOLAR ENERGY CONVERSION

PHOTOVOLTAIC CONVERSION

SOLAR ARRAYS

SOLAR CELLS

PHOTOVOLTAIC CELLS

SILICON COMPOUNDS

APPENDIX

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LIST OF SUBCONTRACTORS, CONTRACT NUMBERS, AND FOLDER NUMBERS IN RELATION TO PROJECT GOALS

- Goal I: Develop a process for obtaining quality silicon material; reduction and purification of semiconductor material.
- Goal II: Develop automated processes for producing single-crystal silicon sheets; silicon sheet or silicon film generation.
- Goal III: Develop automated processes for fabrication of solar cells into array systems; solar cell device generation.
- Goal IV: Develop encapsulation materials and techniques for arrays; module assembly and encapsulation.
- Goal V: Develop capability to produce single crystal silicon tests; systems completion and installation of array.

Contract No.	Subcontractor Name	Goal I	Goal II	Goal III	Goal IV	Goal V	Unknown
954560	AeroChem Research	1-7					

954777	AeroChem Research	8-20					
954862	AeroChem Research	21-32					
955491	AeroChem Research	33-42					
955434	Aerospace Corp.						43
955718	Aerospace Corp.						44
955201	Aerospace Corp.	45-53					
730101	Applied Solar Energy						54
954830	Applied Solar Energy		55				
955409	Applied Solar Energy		56-61				
955244	Applied Solar Energy			61-64			
955118	Applied Solar Energy			65-67			
672595	ARCO Solar, Inc.		68-78				
956097	ARCO Solar, Inc.				79-80		
955325	ARCO Solar, Inc.		81-86				
955402	ARCO Solar, Inc.				87-92		
955278	ARCO Solar, Inc.				93-101		
672592	ARCO Solar, Inc.				102-103		
954751	ARCO Solar, Inc.				104-108		
954328	Battelle Columbus Lab.				116-144		
954339	Battelle Columbus Lab.	145-167					
954876	Battelle Memorial, Inc.		168-179				
955582	Battelle Memorial, Inc.						180
954848	Bechtel National, Inc.				181-185		
954698	Bechtel National, Inc.					186-194	
955164	Bernd Ross Associates				195-204		
954833	Boeing Engineering				205-218		
955149	Burt Hill					219-225	
955614	Burt Hill					226	
955449	C.A.C.I.			227			
955846	Carnegie-Mellon				229		
954738	Case-Western Res. U.	231-239					
954878	Coors Porcelain	240-246					
956073	Crystal Systems		247-249				
954559	Dow Corning	250-257					
954599	Dow Corning	258-260					
954877	Eagle-Picher		261-271				
952485	Electro-Optical			272			
954278	Endurex				273-278		
955378	Energy Materials		279-283				
955269	Energy Materials	284-294					
956822	Energy Materials		295				
955401	General Electric				296-300		
954607	General Electric				301-325		
954350	General Electric		326-333				
955894	General Electric			334-344			

956098	General Electric					345-346	
952250	Globe Union			347			
954899	Gnostic Concepts		348-351				
952560	Heliotek					352	
955981	P.R. Hoffman Co.		353-355				
954356	Honeywell	356-384					
954144	IBM	385-398					
955506	Illinois Tool Works, Inc.				399-405		
953270	Ion Physics Corp.			406			
955720	ITT Research Institute			407-413			
954888	Kayex Corp.		414-429				
955270	Kayex Corp.		430-436				
955079	Kinetic Coatings				437-444		
955287	Kulicke & Soffa			445-457			
954343	Lamar University	458-481					
955696	Lockheed Missiles			482-497			
954653	Lockheed Missiles				498-504		
954898	Lockheed Missiles				505-517		
954564	M7 International		518-519				
954388	M7 International			520-523			
955382	Mass. Inst. Of Tech.	524-532					
954977	Materials Research		533-545				
672583	Materials Research			546			
955699	MB Associates			547-560			
954882	MB Associates				561-576		
955281	MB Associates				577-580		
955820	Meridian Corp.					581-582	
956312	Mobil Solar Energy		583-591				
954355	Mobil Tyco Solar		592-651				
954999	Mobil Tyco Solar				652-658		
956099	Mobil Tyco Solar			659-660			
954338	Monsanto		661-666				
672592	Motorola			667-682			
954442	Motorola	683-704					
954716	Motorola				705-711		
954887	Motorola			712-729			
955324	Motorola			730-740			
955328	Motorola			741-752			
955339	Motorola				753-764		
955367	Motorola			765-772			
955406	Motorola			773-779			
955844	Motorola			780-787			
952022	Motorola			788			
954689	Motorola			789-791			
720307	Motorola			792			
N/A	Motorola			793-797			
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956083	Natl. Res. For Geo.						799
955563	Norlin		800-801				

955981	Norlin		802				
954614	Northrop	803-808					
955378	OLIN		809				
954830	Optical Coating		810-814				
955409	Optical Coating				815-817		
955118	Optical Coating	818					
955244	Optical Coating				819-829		
954831	Optical Coating			830-835			
954197	Optical Coating		836				
955217	Optical Coating			837-851			
720306	Photon Power		852-854				
955410	Photowatt				855-858		
955265	Photowatt			859-861			
955571	PRC Energy					862	
956100	RCA			863-865			
955342	RCA		866-869				
955282	RCA		870				
955342	RCA		871-876				
955825	RCA		877-887				
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954901	RCA		897-907				
954465	RCA		908-917				
954817	RCA		918-919				
954868	RCA			920-937			
954352	RCA			938-949			
954372	Rockwell		950-958				
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954685	C.T. Sah Associates	973-986					
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955677	Science Applications					1001-1005	
954565	Sensor Technology					1006-1023	
672593	Sensor Technology			1024-1028			
681926	Sensor Technology			1029-1031			
955410	Sensor Technology			1032-1033			
955265	Sensor Technology			1034-1043			
955266	Sensor Technology			1044-1054			
954865	Sensor Technology			1055-1071			
954605	Sensor Technology			1072-1083			
954387	Sensor Technology			1084-1087			
694034	SES, Inc.					1088-	

						1089	
956043	Silicon Technology		1090-1092				
955131	Silicon Technology		1093-1097				
604037	Siltec Corp.		1098				
955282	Siltec Corp.		1099-1111				
954289	Simulation Physics			1112-1115			
672594	Solar Power Corp.			1116-1123			
955403	Solar Power Corp.				1124-1134		
658202	Solar Power Corp.					1135	
N/A	Solar Power Corp.					1136-1144	
956061	Solarelectronics	1145-1149					
955307	Solarex Corp.	1150-1160					
955404	Solarex Corp.			1161-1164			
954854	Solarex Corp.				1165-1180		
730108	Solarex Corp.				1181		
955037	Solarex Corp.				1182		
956102	Solarex Corp.				1183-1185		
954577	Solarex Corp.		1186-1192				
672596	Solarex Corp.			1193-1202			
954822	Solarex Corp.			1203-1210			
955077	Solarex Corp.		1211-1219				
649006	Solarex Corp.			1220-1222			
681928	Solarex Corp.				1223		
954341	Solarex Corp.				1224-1226		
954577	Solarex Corp.			1227-1229			
954606	Solarex Corp.			1230-1235			
N/A	Solarex Corp.						1236
N/A	Solarex Corp.						1237
N/A	Solarex Corp.						1238
955318	SOL/LOS, Inc.				1239-		

					1249		
955055	Spectrolab			1250-1265			
955725	Spectrolab				1266-1275		
954853	Spectrolab			1276-1295			
954587	Spectrolab			1296			
689047	Spectrolab			1297			
956103	Spire Corp.				1298-1301		
955405	Spire Corp.			1302-1307			
956352	Spire Corp.				1308-1309		
956056	Spire Corp.						1310
754191	Spire Corp.						1311
955553	Springborn Labs.			1312			
956989	SUNY/Albany	1313-1314					
713135	T & E Ent.						1315
954405	Texas Instruments				1316-1327		
954412	Texas Instruments	1328-1334					
954475	Texas Instruments		1335-1338				
954887	Texas Instruments		1339-1350				
954006	Texas Instruments	1351-1359					
954881	Texas Instruments		1360-1375				
954475	Texas Instruments	1376-1382					
956045	Texas Res. And Eng.	1383-1388					
955123	Theodore Barry Assoc.					1389-1391	
955161	Theodore Barry Assoc.					1392-1394	
954800	Theodore Barry Assoc.					1395-1398	
954909	Theodore Barry Assoc.					1399-1401	
953365	Tyco Laboratories	1402					
954896	Tylan Corp.		1403-1406				
955016	Union Carbide						1407
953461	Univ. of Arizona			1408			

954836	Univ. of Cal. L.A.		1409				
954851	Univ. of Cal. L.A.	1410-1412					
954902	Univ. of Cal. L.A.			1413-1418			
952666	Univ. of Delaware		1419				
956571	Univ. of Kentucky	1420-1426					
955531	Univ. of Massachusetts	1427-1429					
955415	Univ. of Missouri	1430-1434					
954506	Univ. of Pennsylvania		1435-1443				
954796	Univ. of Pennsylvania	1444-1463					
956290	Univ. of Pennsylvania		1464				
954344	Univ. of So. Carolina	1465-1475					
954884	Varian Associates		1476-1484				
954374	Varian Associates		1485-1503				
954654	Westinghouse		1504-1524				
954331	Westinghouse	1525-1569					
955624	Westinghouse				1570-1579		
956786	Westinghouse	1580-1582					
955843	Westinghouse		1583-1595				
954873	Westinghouse			1596			
955909	Westinghouse				1597		
955853	Wyle Laboratories					1598-1600	